MILWAUKEE, JULY, 1891.

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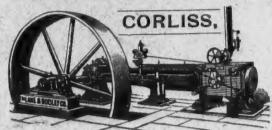
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The most Compact, Durable, Best Sheller and Best Cleaner.

Takes up but little room, runs at low rate of speed, requires no attention. It is in every respect the

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A MATCHLESS RECORD!

This Line of Machinery is Used by a Great Majority of the Largest, Best and Most Profitable Mills in America,

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6

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(*)

Sumner & Stewart, - - 2,000 bbls. Staten Island, N. Y.

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Colorado M. & E. Co., - - 2,500 bbls. 10 mills, Denver, Col.



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GRAY'S PATENT FLOUR DRESSER

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GRAY'S PATENT NOISELESS
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Jones & Company, - - - 2,500 bbls. New York.

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Listman Mill Co., - - - 1,000 bbls. LaCrosse, Wis.

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THE EDW. P. ALLIS COMPANY

* Flour Mill Builders and Furnishers,

RELIANCE WORKS,

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MILLING

SEPARATIONS AND PURIFICATIONS.

BY JONATHAN MILLS.

HIS subject is the most complex in the science of making flour, as milling is rapidly approaching a true science and is entirely too deep a subject for the thousand and one amateurs that we nowadays so frequently meet. I feel incompetent, with all the varied experience I have had, to treat the subject in a proper manner without taking too much of your valuable time. It would require more than a dozen lectures, with lines of samples and a good set of hand-sieves, taking in the whole gamut of bolting silks, to properly demonstrate the true importance and show up the true science of separations, and then, after all that was done, it would but show you the results on one grade or kind of wheat. If the results were shown on our soft winter wheat, it would require a different clothing of silk to show you what was best for hard or spring wheat. Our white wheats, and such wheats as are grown in California, Oregon, Washington and Colorado, would require another grade of clothing. Then, if we clothe a mill for perfect work that is operated along our lakes or on the sea coasts, and could transplant the same mill back 50 or 100 miles away from the lakes or ocean, it would not work satisfactorily, the separations would not be right. So you see a mill has to be clothed to suit dry or damp atmospheres. The atmosphere is at all times more humid along large bodies of in color to some other grade of wheat, water than in the interior of the and both wheats may have passed as country. Remove an Evansville mill the same grade when you bought it. bodily without any change of cloths or The fine discrimination of the miller's other changes to the east side of any of judgment can only be proved by his yield in Germany and also in England by foreign countries amounting to no our large lakes, in the humid atmost eternal vigilance, and by constantly are almost equally irreconcilable, while less than 114 million hectolitres. The phere of the lakes, and its capacity would be reduced at least one-third.

To illustrate this fact, we will say a reel in an Evanstville mill might have 24 inches of No. 8 cloth on the tail to dust out the stock so it would pass over the tail dry. (You all understand the set millers on their guard and to point duties on imported grain. The anxi- ly as good authority indicate that the term "dry," I believe.) Remove the out where the trouble may exist, in ety of the farmers to secure the highest Russian harvest will be decidedly besame reel and stock to the lakes, and holding their patent flour up to a high possible duty is not unnatural, and it low the average. you would require not less than 36 inches of No. 7 cloth in place of the uniform grade and constant. 24 inches of No. 8; and this principle holds good on about every cloth in the more important, that the middlings high duties, and particularly those mill. Successful separations can only left from the reduction of the midbe accomplished by a continuous system of scalping off the coarse from of your first or break middlings, and the finer stock repeatedly, and this the lighter you reduce your break midsystem holds good on all wheat-hard, dlings, and each successive reduction, soft or white, and in every climate, dry and purify the remainder at every step, reduction of duties on imported grain. or humid. Every separation is more the better results you will get. This is or less of a purification.

briefly describe the proper manner, as profit in close competition. I see it, to get the best results. The

silk and been dusted over a No. 16 silk, "sooner" mills are ever all paid for mated yield this year is but 82,779,000 and is making a larger percentage of when completed, they are universally hectolitres, if the weather and all other very high-grade flour than any other piling a mortgage on themselves by conditions from this time forward conwinter-wheat mill in America, and loss in yields, and at the end of the tinue favorable. The dispatch adds, making a barrel of flour out of fewer first year or two you find complaints "This is the maximum estimate; it will pounds of wheat. A good way is to that milling is awful close, and they be 31 per cent less than the harvest of grade your break middlings into not begin to hustle to put in every jim- 1890, leaving a deficit to be supplied less than five grades, and handle each crack of a machine that is offered that by importation amounting to 40,221,grade on a separate purifier. After they think will help them out, but 000 hectolitres. The average price paid they are purified, they should be light- generally go to the tail of the mill to ly reduced or sized on your smooth commence. rolls, the flour bolted out, and the unreduced middlings again purified and done is to commence early Monday again bolted. The middlings that are morning and do your hardest work tailed over the bolting reel should again every day of the week. You need not be purified. This should be carried expect to lose Monday, Tuesday and out with all grades of middlings by Wednesday, and do as much work in using a tail cloth on these middlings the week as the fellow who commences bolting reels of a fineness to send over early and does all he can every day in the tail nothing but the heaviest of the the week middlings; you then have a middlings with double force when it gets down to tions, the controversy regarding the through the tail cloth on each reel that a "get-there-sooner" mill and starts in duties on grain has become quite bitter, should be sorted with a view of quality, after the other fellow has done half his or rather color, by doughing, and ascertain which of them you consider fit to again be reduced for patent flour. But all should be purified, and similar qualities can be brought together of the same grade and re-purified together on a purifier for the purpose.

THE

The day is rapidly approaching when a true system of sorting of middlings. for color by doughing will be adopted in all first-class mills. Nothing is so deceiving to the eye as some grades of one grade of wheat will not be equal ting middlings into your patent flour these divergent opinions as to the sup- provinces will have a fair harvest; in lies right in your various fine mid- ply of wheat this year are in part due Hungary it will be below the average dlings from the reductions of the mid- to the great controversy in France and this year." But it must be rememdlings. I merely give these points to in some other countries respecting the bered that other statements from equalstandard, and how to keep it there in

It is just as important, and I think dlings be purified, then the purification

There are already to many "sooner" true principle and the only satisfactory mills in this country for the good of harvest of France and Europe for this no matter how simple a matter it may one is to grade your middlings into as the trade. This is largely brought year, and forwards the figures. This appear to relate to, without first caremany grades as there are grades of about by the millers wanting to build statement shows that the average need fully reading it, and if you do not cloth. The only man that I know of mills for a cent, and each furnisher of wheat in France for seed and food thoroughly understand it, have it exwho is carrying out this system to its swears he can do it with a reel and a is 123 million hectolitres yearly, but plained before you sign it. These are fullest extent is the Honorable Homer roll less than the other fellow, and this year 5,000,000 hectolitres must be simple rules, but they are the only Baldwin, in his City mill at Youngs- stands ready to guarantee to make the added for resowing where the grain safe ones to do business by .- Manu-

that have passed through a No. 14 world and the other fellow. If these of 128 million hectolitres. The esti-

ENGINEER.

The way to get a good week's work This illustration applies week's work.

THE WHEAT SUPPLY IN EUROPE.

than it is now to speak with exactness regarding the European supply of wheat and the probable demand. prompts many people to represent the probable supply as large as possible. On the other hand the opponents of who represent the trades unions and other bodies of consumers, lay great stress upon the probable scarcity of their argument for at least a temporary

A statement from Mr. Griffin, United a fundamental principle that will al- States commercial agent at Limoges, I will now take up purification, and ways command a market and bring announces that the National Millers' Association of France has carefully collected data of the probable wheat town, Ohio. He is purifying middlings sun stand still if they don't beat the was frozen or injured, making a total facturer's Gasette.

for wheat under favorable circumstances is 23 francs per hectolitre; consequently 925,000,000 francs will be spent in the next twelve months for wheat."

It is a somewhat serious matter for

France to face an expenditure of a sum

so enormous, at a time when a large portion of the people are embarrassed in their circumstances by the failure of crops, or by other industrial causes. It is not strange that, under such condiand the advocates and opponents of the extreme duty are charging each other with improper motives. If the supply of wheat in other portions of Europe To T has never been more difficult were as large as usual, there would be less risk of failure in meeting the demands of France, but according to all accounts there will be a considerable The statements published this year are deficiency in Europe outside of France singularly contradictory, and even from or Great Britain. The British imports official and the most reliable sources are always large, and according to presestimates varying very widely are issued. ent reports are likely to be somewhat Thus one statement recently published larger than usual this year. The estimiddlings, and the same grade from is that Russia will have no surplus of mate of the National Millers' Associawheat for export, while another from tion of France is that the production equally good authority announces that of Europe in 1890 was 225 million Russia will have a fair crop, which hectolitres, and the estimated producmeans a large quantity for export. tion this year is but 111 million hecto. The accounts in regard to the probable litres, leaving a deficit to be supplied testing his middlings for color by French authorities are themselves wide- statement adds "Russia, Tunis, Egypt, doughing. The greatest danger in let- ly at variance. It is probable that Roumania, and some of the Danubian

BUSINESS PRINCIPLES,

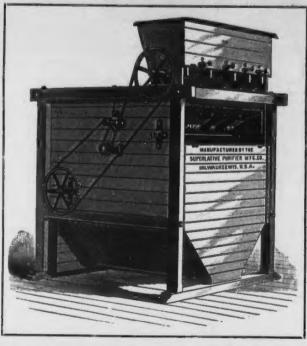
Experience teaches that it is always best to do business on business principles, no matter with whom it is done. It is a good plan to make a memorandum of any contract you undertake, wheat this year, in order to strengthen either for the payment of money or an agreement to do a piece of work. It often saves annoyance in case one or the other forgets the terms. Never hire a person and set them to work without first having the price fixed upon. Many law suits have arisen from such neglect. Never sign a paper,

WHEN BUYING A SCALPER. BE SURE AND GET THE .

IT WILL BE MONEY IN YOUR POCKET IF YOU DO.

EDITORIES It Im thoroughly reliable and durable, and requires little attention Produces a whiter break flour. more patent and less low grade. WE GUARANTEE SATISFACTION AND ALLOW TRIAL.

TRATERIOR STATE AND PARTIES.



Occupies small space and requires nominal power, Has Immense One machine handles four breaks in ioo bbl. mill, or one break in goo bbi. mill.

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HEN this Scalper was put on the market three years ago, its success was immediate, and its merits were recognized by every practical miller who saw it in operation. Naturally other machines sprung up, which were extensively advertised as "just as good as," but they have proved a source of worry and expense to the user, and we can count up a dozen of them that are never heard of now. The New Era on the contrary has given satisfaction wherever used, and where one goes, others follow, as its merits become known. We have any number of testimonials of its merits from millers in all parts of the country. Draw your own conclusions.

PRICES ARE WAY DOWN.

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SUPERLATIVE PURIFIER MFG. CO.,

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EW ERA SCALPER VORTEX DUST GOLLEGTOR

Known and recognized as the best Collector for all uses on the market.

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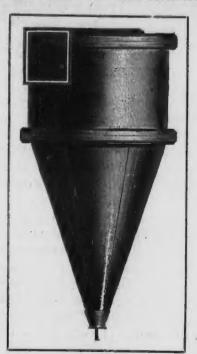
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7HE merits of this Collector are shown by our constantly increasing trade among both millers and mill furnishers. No inferior machine could show such results after three years of trial.

FOR CIRCULARS, PRICES. ETC., ADDRESS .

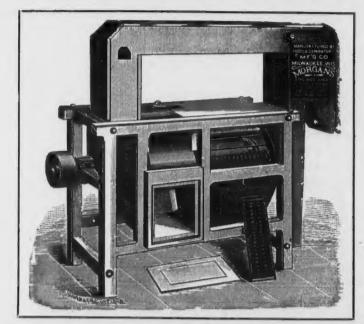
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VORTEX · DUST · COLLECTOR · CO.,

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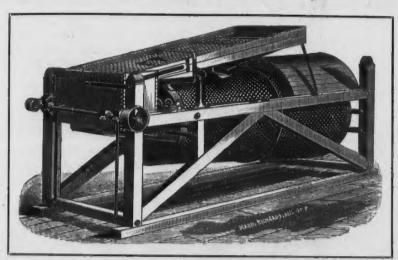
We are still "In It" with two of the best Grain Cleaners manufactured.

THE - MORGAN - SCOURER | The Kurth Cockle Separator



Both Upright and Horizontal Machines, manufactured with or without Shoe.

THIS machine has always been recognized as one of the most thorough, durable and reliable Scourers built. The only objection ever raised against it was its price. This objection is now overcome, as we can offer prices as LOW AS THE LOWEST. Consult your own interests and get a first-class machine, especially since it costs no more than the inferior scourers.



F you want a Cockle Separator, write us. We can satisfy you both as to style and price. We build machines with reel or shaking graders, and with steel or zinc cylinders, as desired. Also in connection with Richardson's **Dustless Oat Separator Attachment.**

PRICES GREATLY REDUCED.

WE are manufacturers of Perforated and Indented Metal, and solicit orders for anything in this line, which we can fill promptly.

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COCKLE SEPARATOR MFG. CO.

MILWAUKEE, WIS.

UNITED STATES MILLER AND THE MILLING ENGINEER.

E. HARRISON CAWKER, EDITOR.

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MILWAUKEE, JULY, 1891.

We respectfully request our readers when they write to persons or firms advertising in this paper, to mention that their advertisement Was seen in the UNITED STATES MILLER AND THE MILLING ENGINEER. You will thereby oblige not only this paper, but the ad-

THE Michigan Millers' Association had a very interesting meeting at Lansing, July 9.

THE pilgrims on that wonderful European excursion of American millers have nearly all returned.

A Minnesota claims to have realized 125 per cent. in the last two years.

THERE is much complaint of inactivity in trade. Money is plenty and can be borrowed at reasonable rates but the business demand for it at the present moment is not great. A little later on there will be a change.

OUR Chicago contemporary has just discovered that there are frequent spots to be found in many samples of bread. He should either wipe the dust from his spectacles or buy a purer article of flour for his private consumption.

WE regret to announce the death of Mr. Liberty Hall of Kansas City, Mo. He was the father of C. F. Hall and was associated with him in conducting the Modern Miller. He was a vigorous writer and a man of sterling character.

THE latest Alliance notes are to the effect that the farmers of Kansas and Georgia are going to store their grain to effect a shortage in the market also the Georgia planters will hold back their cotton. We do not believe the report to be true.

UNE 30th, Mr. Charles Howard JUNE Soun, Married Dorsey, of Baltimore, was married to Miss Leila Risteau of the same city. The ceremony took place at Grace church. We congratulate the newly married couple and trust that a long life of happiness lies before them.

IT is funny to see how the milling A papers "flop" every once in a while on the Millers' National Association question. It makes little difference to the Association how they write as the members appear to be well satisfied with the present condition of affairs.

THE Lockwood Press of New York has just issued the second part of the "American Dictionary of Printing and Book Making." All who have examined it pronounce it to be one of the most valuable publications ever issued for the benefit of the printing and book making trades.

authority the announcement was made in our last issue that the owners of the Mechwart roller mill patents had to a claim against the Anchor Line for brought suits against The John T. Noye Mfg. Co., of Buffalo, N. Y., and the Stillwell & Bierce Mfg. Co., of Dayton, O. It appears upon close investi- ship company.

gation that no suits whatever have been commenced under these patents and we regret having made the announcement.

MEETING of Missouri and Kansas A Farmers' Alliance men will be held July 16, for the purpose, it is said, of seeing how the farmers can get the highest price for their grain this summer. Movements of this nature have been made in secret meetings all over the country, and it is rumored that there is an immense scheme afoot to induce all the Alliance farmers in the country to hold off their wheat until the last possible moment and then sell it at a fixed figure much above the pres ent market price.

THE opportunity for testing one of our new cruisers in actual war has passed by, the Chilian insurgents having surrendered the runaway steamer Itata without a contest. Of course war is to be deprecated, and it is well that a fight was avoided, but while the pub-FARMERS' Elevator Company in lic generally acknowledges that fact, it is somewhat in the position of a boy with a new knife, and would not have been sorry for a chance to see one of its new ships put to the test, a feeling not unnatural, though somewhat illog-

In the chase the Charleston proved herself a good sea boat and a fast steamer. The criticism made on her in some quarters for not catching the Itata are hardly well founded, and indeed are made chiefly by persons who do not realize the difficulty of finding a ship which has the start to begin with, and the whole Pacific Ocean on which to select her course. The chase must be wholly by guess-work, and the chances are tremendously against the pursuing ship, no matter how great an advantage she may have in speed.

THE Executive Committee of the Millers' National Association for 1891-2, held its first quarterly meeting in Chicago, June 27, 1891. After formal action upon the minutes of the preceding session, the subject of the Tracing Bureau was taken up and arrangements made for putting the same into operation on July 9th. Action in regard to "tricky and irresponsible dealers, cancellation of orders on flimsy pretexts, etc.," which is the province of the Committee on Domestic Trade, was deferred, pending some investigations into the subject. It was decided to closely watch the matter of drawbacks for royalty as set forth in a circular letter, which is being distributed by a loss of a car-load of flour in the Johns-ON what we supposed was reliable town flood of 1889 (it is said), was assumed by the National Association, which took similar action in reference delaying the shipment of a certain invoice contracted for special delivery.

FTER giving its readers a much the scheme and which is to have the A needed rest from its customary billingsgate and abusive language for a tional Association. few weeks, our Minneapolis contempo-Millers' National Association is the victim upon which the manager, editor, general supernumerary and office boy of The Northwestern Miller now vents

and flop from the much vaunted champion of the old National to its most implacable enemy is not hard to discover for one who is acquainted with all parties interested. Possibly Willie's toes have been stepped upon and in accordance with his well known policy of support that has made it impossible, exrule or ruin, finding that he cannot do cept in times of great emergency what he wishes with the Executive Committee, he forthwith tries to do the other thing.

If his efforts to work injury to the cause of organization among millers meet with the same results that some contemporaries have attained in the same direction in the past,—and we predict that they will-there is no great amount of satisfaction awaiting as a reward therefor. The Northwestern Miller has in the past through its energy and enterprise made many friends, but the silly, puerile stand taken by it now as a vain attempt to appropriate and claim credit for a scheme which has been talked of by the Millers' National Association, and was put in practical operation by many of its individual members, even from the days when Willie peddled papers on the road, is too absurd to call for anything but contempt and unless Publisher Palmer muzzles his over enthusiastic employe in the near future, the effect of his gambols will, we think, be felt by him in dollars and cents, at no distant date.

While the attempt of the Northwestern Miller to break up the Millers' National Association, and start a new one of its own is not worthy of much attention and probably will have little or no effect upon millers, who, appreciating the benefits of the organization, are members of the National Association, we cannot refrain from calling attention to the absurdity of its position in the matter.

Reference to the files of the Northwestern Miller during the past few months, renders it difficult to reconcile its present position with sense or reason. It has ostensibly been endeavoron export burlap bags, and if neces- ing to aid the National Association in sary, prompt and vigorous action will its efforts to organize a Flour Tracing be taken by the National Association. Bureau, until their efforts have resulted In view of the bond of the Consolidat- in the formation of an Association ed Roller Mill Co. in the sum of \$100,- which though not as strong and broad 000, under which that company is as it should be, is still a creditable step bound to defend any suits brought in the right direction. A start has against members of the association, been made which is a good point gainarising from the use of machines man-ed and now the Northwestern Miller ufactured under their patents, and as turns and from a policy best known to the matter is an old one which has its editor opposes the movement, "tooth arisen after some years of rest, the and toenail," prints ten trite reasons committee did not deem it necessary to therefor, which are all decidedly take any action in regard to a claim weak at the best and demonstrate nothing but a sentiment of personal jealousy or disappointment at somepatent expert of New York. A claim thing, and casts slurs and sarcasm at against the P. C. & St. L. Ry. Co. for the Executive Committee and officers who have worked hard and eranestly for the benefit of the milling industry of our country.

Now comes the last issue of the paper with a scheme to abandon the National Association and form a new organiza-Suit will be brought against the steam- jingles pleasantly in Willie's ears, be- that involves disturbance and ultimate cause he really did invent that much of disaster.

same ends and objects of the old Na-

In the name of common sense, if the rary seems to have broken out with re-old National Association is not what it freshed energy upon the return of should be in the opinion of the millers Willie from his European trip, and the of the United States, what is there to prevent the coming into it and making it whatever they desire?

The doors of membership are open and its constitution, officers and entire outfit may be changed and altered to Why this sudden change of heart suit the will of the majority at any annual convention.

Abandon it and surrender its valuable licenses and arguments-What for? -Simply to give a new name to an organization composed of the same old members, rendering the same listless where patent litigation threatened to maintain a thorough and business-like organization of flour manufacturers.

But the idea is too absurd for further comment.

THE N. Y. Commercial Bulletin in a recent number says: Secretary Foster's announcement that the Government will proceed with the coinage of the trade dollar bullion and recoinage of subsidiary silver, and that "therefore the question of the continued coinage of silver dollars as heretofore is not a practical one at present," is evidently the result of an earnest contest in the Cabinet, and is, in a sense, a postponement. If a complete postponement were possible, and all question and anxiety about the soundness and conservatism of the financial policy of the Government could be laid aside until after the currency requirements of the summer and autumn have been met, and the return of gold from Europe begun, it would be a very great gain. But, unfortunately, this is It seems to be generally believed

that the President has returned from the West strongly impressed with a desire to comply as far as possible with the wishes of factions whose advice, if followed too far, would, he knows, involve consequences that he cannot afford to face. The question, therefore, at once arises, how far these dangerous influences are to be permitted to interfere with the clear and plain course of conservative and prudent financial administration. Such a question cannot really be postponed. There seems to be good reason to believe that the responsible Treasury officials recognize the folly and danger of a departure from well-established lines of prudent administration, and that there was at least influence enough in a recent Cabinet meeting to prevent for the present a decision that would commit the Government to a reckless course, and this much is reassuring; but, on the other hand, it is apparent that there was a strong influence in favor of the reckless folly and illegality of continuing the regular monthly coinage of standard silver dollars, and sacrificing every consideration of sound and prudent policy, at a time when such a decision would be peculiarly unfortunate.

That this question is merely postponed, is the unmistakable meaning of Secretary Foster's announcement. This means that for some weeks or months the West is expected to assume that the final decision will be on the way, while the East is expected to rest as sured that it will be the other. The Administration probably fails to realize that, at the present moment, with big crops in prospect and conditions naturally favorable to active and prosperous business, one of the principal causes of depression, distrust and uncertainty, is the existence of just such dangers as are threatened by the announcement from Washington of a mere postponement of the question whether the fight for sound, safe and honest finances is tion, which is to bear a name that or whether there is to be a surrender

CORRESPONDENCE.

The following letters are all from our own special correspondents, and reflect their views and the views of the trade in the location from which they write,]

OUR BUFFALO LETTER.

ITH few exceptions the big and small traders throughout this great country are looking for heavy receipts of the new crop of wheat, and naturally predicting the lowest prices ever known for this cereal. Europe, too, is of the same opinion, going so far as to refuse our flour in the hopes of buying it cheaper later on. Taking the prospects as presented today they are truly glowing, but it would be no surprise to see the course of the market turn contrary to all expectations, an anomaly in fact. Our wheat will be wanted in enormous quantities by millers at home, to say nothing of the foreign demand which has spoken for it long before harvest.

The only cloud in the bright prospect is a tight money market, but this contingency with the great efforts now being made by bankers to secure the necessary funds and the increase in banking capital in the last ten years is reduced to a minimum. Taking everything into consideration I look for higher prices for the new wheat until the demand is well supplied.

ity of this crop is also assured being far the last five years. This is another argument in favor of higher prices, as a poor crop is always followed by an easy and steadily declining market. 1879 a big crop was followed by a much larger demand, creating an activity which caused a sharp advance in prices this year.

The sensation of the month was the fire at Urban's Mill on Tuesday, June 23d. The upper story was discovered by transportation. to be on fire about 4 o'clock in the morning and some reports state a loud explosion was heard soon after the smoke was seen issuing from the cupola. It seemed as if the building was doomed before the firemen arrived owing to the great headway made by the flames, but Buffalo department the damage was principally confined to water. The loss was fixed at \$10,000, covered by insurance. Only a small amount of flour and 3,000 bushels of wheat were in the mill at the time, the bulk of the flour, enough to declare on 'change. " If it falo millers. about 9,000 bbls. being in the warehouse out of the reach of either fire or water. Mr. George Urban was at the along in its most laudable work but it when inquiries are received from large the builders have taken advantage of mill almost as soon as the firemen al- was put up see how much the owners dealers in flour at Albany and other all modern improvements to make this though his residence is fully five miles from the center of the city. It was a don't want to break the association bewild ride but with a son of Jewett's Jerome Eddy, 2:161, and a clear smooth road, it was just the sort of excitement Mr. Urban thinks "comes but once in a lifetime." At noon he was on change wearing the same pleasant smile. George Urban is not one of the "pretty men" of the board but he is one of the most manly, dignified, straightforward, liberal-minded gentlemen of the whole 550 members, none of whom would for the world have missed the opportunity of offering sympathy in his late loss or if necessary placed his bank account at little comment especially as the list the disposal of such a man as Mr. George Urban Jr.

from Messrs. Schoellkopf & Mathews, the time comes. "Lon" is equal to any sold as high as 5.10 but is considerably lected of H. & R.

customers will not suffer for the want thing even to the making of a most ex- easier at present although 4.90 was reof their favorite brands.

Mr. H. J. Harvey of the Queen City mill and John Esser of the Marine, were before the Canal committee investigating the mismanagement of that great water route. Of course they testified no injury would result from the giving away of a valuable strip of water front to a lot of greedy politicians backed by a number of no less greedy capitalists. Both the millers are interested in this scheme.

Mr. C. P. Flatley, the newly appointed agent of the Duluth Imperial Mill always right, especially on the grain Co. of this place, has discovered that flour is good canal freight and that money is saved in shipping it to New York by that route. His first shipment made two weeks ago reached its destination in good order and the next was shipped as soon as that was heard from. The cargos consisted of 200 tons, in export sacks of 140 and 280 lbs each. In 1886 Pillsbury brought the railroads to ful in war as he has been in business. time by sending 8,000 barrels through His men all came home but the fact to New York in canal boats and it is not unlikely that the new agent of the Imperial will be seen before his next load goes out, although he declares the half that asked by rail.

this year after the new crop commences to move than ever before.

will be in operation in a few days together with the other machinery necessary for the repacking of flour damaged

The Duluth Imperial Mill Co.'s warecompany can store flour on their own tling for purchases on the Monday folproperty.

Mann's floater, or the "toboggan with the improved apparatus of the slide" as it is called by those who have been so unfortunate as to consign carboats, is still looking for foolish cheap-Johns. This elevator was built for a had been built to bust" the association, I would have been willing to help it for some months past are greatly elated Its capacity will be 500,000 bushels and could get out of the association. They getting a slice of the swag.'

The following new members of the Exchange have been elected: Deloss there for three months or more. It is Graves, forwarder; P. H. Griffin, car wheel builder; M. Purcell, grain mer-

Assistant Daly, of the Merchants Exchange, has not yet reported for duty and the prospects are not good for his early appearance at his desk.

The large number of "posted" members for non-payment of dues excites no shows no signs of growing smaller.

The bureau for tracing consignments It will take three months to put the of flour, according to President James hand in either of them. Spring pat-Urban mill in shape for business again of the Millers National Association, will ents sold at 5.40 and 6.65: straights but with a fair supply of flour on hand start its labors some time in the fall. 5.00 and 5.25; low grade 3.50 and 4.00. saying the Chicago party refused to reand the leasing of the Frontier mills He intends to give it a great push when Winter best 5.15 and 5.30. Rye flour ceive it and the charges must be col-

ver" and "Lon." Keep still my heart.

Syracuse has at last been successful the morning the good tidings were anoffice, although suffering excrutiating the 20th of this month. agony from rheumatism. Mr. Simons was the only man who was willing to bet his all that Syracuse would get this water in spite of the canal opposition. Old Niles Case could not be found for a week after. Hurrah for Simons-he's markets. There are few people in this country so well known among millers as Phillip Houck & Co., and with all this not a half dozen friends of the senior member of this firm are aware that he fought and bled for his country during the late unpleasantness. Phillip Houck, of the 65th artillery, is his title. Capt. Houck was as successthat none were injured did not prevent the whole crowd getting pensions.

Buffalo millers are again agitating the question so troublesome in this roads cannot carry it for the same market for years viz: The suppression money, the charges being about one- of order canceling fiend. Not one of the millers or agents here are without It is reported that car service charges a long list of firms representing this The estimate of 600,000,000 in my are "winked at" to a few favored ship- class of bogus business men. An order opinion is within the limit. The qual- pers. When cars are wanted to carry is booked from an apparently responsigrain east from the harvest fields which ble firm for flour but as soon as the superior as a rule to anything within will be the case in a few weeks, there market shows signs or has declined sufwill be some skirmishing among ficiently to scare the "merchant" he telthe railroad agents to hustle the boys egraphs to cancel his order. If the and favors will be unknown. Rail market should advance it is different; transportation will be more deficient the amount was doubled that stated in the dispatch. Of course a miller once fooled will not sell such a skunk anoth-The new storehouse for Pillsbury's er barrel of flour at any price, but this and why may not history repeat itself mills is completed and the flour sifter does not prevent him from playing the same game on every miller in the in the association should be adopted. The Buffalo Produce Exchange suffered house is far from completion, in fact the great losses for years until a system of dock is only started. It will take some checking up accounts was adopted and months yet before this enterprising firmly adhered to. A customer not setlowing is "posted" and a slip is dropped to the office of each member of the the Exchange notifying him that no trust be given to ----. This has effectugoes to it, to be transferred into canal ally rid the market of tramps who for years plundered every merchant in his the ceiling which entirely spoils the efturn. Some such system would work "strike" as a vesselman was honest to the great advantage among the Buf- Cornwall the artist.

> Millers whose hearts have been heavy eastern points asking for prices. New York agents of Buffalo mills also report cause that would end their prospects of a big improvement in the demand for 000. old flours which is a great boon to those who have had large quantities in store just as I predicted in my last. The stock of flour will disappear much faster than it accumulated and at prices which will at least let the miller out whole. Prices for a month past have been very unsettled; no attempt to stick to card rates being made. Every mill had its own price and was willing to shade that. The mills have all been running with the exception of one or two unimportant ones and singularly, too, no heavy supply is reported on

cellent democratic stump speech. "Gro- fused for a round lot this week. Rye was never so scarce as it is this year and millers are not anxious to purchase in getting Skaneateles lake water and this cereal in any sized lots as the crop in this state is reported in fine condinounced, Mr. Simons came down to his tion and will be ready to harvest before

> John R. Weld is a regular visitor on 'change and a keen buyer of our choicest samples of winter wheat. It takes him all day to make his selection but when it is done he has the best offered and is not "stuck" on the price either. He is just a little too close a buyer to please the young crowd.

> The canal is falling behind every day and the low rates of 21 on wheat, 21 on corn and 15 on oats it is difficult to see how the boats are kept moving. Rates have several times been advanced with the result of giving the rail the best lots and when this was discovered down would go the prices only to find there was nothing to carry. The rail route has also shown a falling off in grain but the increase in flour fully makes up the deficiency.

Millstuffs are active and unusually steady for this season of the year. Heinold & Rodenbaugh last week sold 65 cars of sacked bran at \$17 and \$17.25 per ton and still had orders on hand, Coarse mids. sold at \$21 and \$21.50 and fine at \$23 and \$24. The same firm is making a good thing in hay, having about 1,000 tons still on hand which is going to New York at prices netting a liberal profit.

No. 1 hard wheat has for a few years past gradually lost favor and today No. 1 northern rules the roost. Little is being done in the former grade and when transactions are made it is usually at price so near No. 1 winter that the difference is not noticeable. Sales of Duluth wheat in this market up to within country. A system of sending the a week have been at so much over names of these frauds to every miller Chicago. Lately the limits have been 16 over Chicago December for No. 1 hard, 13 for No. 1 northern and 10 for No. 2 northern, but as a rule these prices were shaded, the orders being to "sell as low as your neighbor." This caused no end of strife for trade and many fine bargains were secured.

The Buffalo Merchants' Exchange is now supplied with electric light. Instead of having a pair of big chandeliers a dozen small mandarin caps adorn fect intended to be produced by Mr.Wm.

The new Wells elevator is well under way and will be finished by October 1. the best elevator in Buffalo. The cost will be in the neighborhood of \$130,-

Mr. James Rodebough of the firm of Heinold & Rodebough purchased a new white felt hat the other day and within half an hour after it and the gentleman appeared on 'change he received the following dispatch from Chicago: James Rodebough,

Merchants Exchange: "Where did you get that hat? Hutchinson."

The reply was quickly sent (collect): P. B. Hutchinson,

Chicago:

Bought it on the profits of your advice that wheat was a purchase and would go to \$2 per bushel."

A boy brought the message back

The Buffalo millers who "banked" of St. Louis to St. Louis. As the man-extra fancy, \$4.60 @ \$4.65; patent, \$4.heavily on high prices of old wheat be- agers gave no valid reasons a reduction fore the new crop would be fit for use of from 1c to 2c per 100 pounds was are sadly left. Never take a pointer made according to territory. This from Chicago is all the advice necessa-

President Meadows of the new Met- effect right away. ropolitan bank of Buffalo is deep in the shown up on 'change since the bank opened on the 1st of July. His presence will be missed by a few.

If the Buffalo correspondent of a certain milling sheet in the northwest will meet the Buffalo correspondent of the United States Miller between two days in Boston, satisfaction will be guaranteed. Weapons, stockings filled with shorts, distance twenty paces. Or if preferred a column or two of his padded Buffalo chips against a stickful of the from their incursion. readable matter from the UNITED STATES MILLER, he to choose the judges if the latter contest is accepted. As Sir. John and French and British grain and A. McDonald would say: "My dear boy, you're not right in the head."

OUR ST. LOUIS LETTER.

ROBABLY the item of greatinterest to the milling world to come from St. Louis this month will be the indictment of Mr. J. B. M. Kehlor, of Kehlor Bros., by the United States Grand Jury at Springfield, Ill. It was claimed that Mr. Kehlor has violated the Interstate Commerce law; the claim being based on the testimony of a discharged Wabash railway clerk. It is claimed that a commission has been paid Mr. Kehlor for his business. For some time testimony has been taken from clerks, etc., but the principals have not been called before the jury, as that body cannot indict the witnesses who come before it. Mr. Kehlor's cashier, Mr. Ellis, was called as a witness, about the first of this month and later Mr. Kehlor and Mr. Knight, of the Wabash, were notified of their indictment. Without waiting for the serving of the warrants both of them took the first train for Springfield and there gave the required bond for their appearance at the next court term. As this case is practically the first good one to come up before the courts it will be carried out very strongly by the Interstate Commerce people. As the law decides that every bill of lading on which a rebate has while only 44,423 bushels left the city been paid is subject to the \$5,000 fine by rail and 38,062 bushels entirely and two years' imprisonment, and as the sufficed all city demands. The marcourt appears to be in possession of not kets in both No. 2 Red and No. 3 Red a few such bills of lading I am afraid, were active; in fact in the latter grade if the charge is proven that it will not buyers could not get enough either for go very easy with the gentlemen indict-city consumption or for export. No. 2 ed. As rumor has it, several flour ship- Red was abundant on the market but loads a day. These heavy shipments pers are guilty of the same offense and was readily taken up by the export now taking place from Bombay and are at present in no enviable frame of mind as regards their own chances of getting safely over the affair.

Omaha's board of trade representatives arrived here July 3d and after a reception on 'change were initiated into our inspection methods. Later they were shown about the city and given a view of our river front by an excursion as against 15,315 last week. on the river.

Kansas millers are again making things lively. Lately they have been discussing the plan of sending one of their number to South America to make the necessary arrangements for grain that it pans out all right.

The State Board of Railroad Coman order summoning the traffic managers of two of the principal lines to answer to the question, why wheat rates makes the reduction average about \$5 a car. The reductions are to go into

Late crop reports place the Southern mysteries of that business and has not Missouri and Kansas output at 26 bushels to the acre with an average of 63 pounds to the bushel. Yet at the same time alarming reports come in from the West of the grasshopper pest. Already it has reached Kansas where the harvesting has just been completed and from all accounts the insects will soon reach Missouri. Fortunately they come at a time when the wheat is for the most part out of the field, yet I doubt prevailed during the last three weeks not but what some damage will result

received as visitors several prominent flour men, notably Messrs. Porteus Klein, the former of Liverpool and the latter of London. They all say that they will need our wheat largely this year to help them out in their orders, and it would appear that fall flour consignments to foreign ports will be in During the late rise the best Mark Lane

tion. They have chosen a very able of their members, and are now looking for suitable quarters for their general violated to their detriment, to work against unjust discrimination, secure better shipping facilities and speedier transportation and other kindred sub-

WHEAT.

Receipts this week though doubling those of last week, were far below the general estimate and reached only 493,041 bushels, with only 203,814 bushels for the preceding week. Shipments were very small, being only 123,723 bushels this week and 13,582 bushels for the week previous. Stocks are naturally increasing considerably and are quoted 149,587 bushels, an increase of 62,947 bushels over last week. Withdrawals for exports were very large, aggregating 205,847 bushels, trade. Quotations are:

	No. 2 Red.	No. 8 Red.
Monday	. 881	881/2
I UESCINY	.: N794	8314
Wednesday Phursday	. 88½ 87¾	884
riday	874	8834
Saturday	881/2	831

Receipts footed up 21,105 bushels Shipbushels this week and only 24,494 to be covered from the next season's bushels for the week previous. Only a stocks either by imports or by using old poor local and Southern demand, with stocks. The crop of last year was no foreign trading. All low grades officially estimated last autumn at were dead on the market, while there 41,000,000 quarters, but is now known and flour shipments. It is to be hoped was but a suggestion of a demand in not to have exceeded 39,000,000 quarhigh grades. Many of the mills re- ters. By the end of July about 5,250,000 main idle and it will not be until the quarters will have been imported, missioners met on July 7th and issued new wheat deluges the market and making a total supply of 44,250,000 prices that any activity in flour will be quarters. The annual requirements in felt. Quotations are XXX \$3.00 @ France are not less than 41,500,000 \$3.15; family, \$3.25 @ \$3.35; choice, quarters to which this season has had permission of the Marquis of North-

75 @ \$4.85. New flour, patent, \$4.60 @ \$4.70; extra fancy, \$4.35 @ \$4.40.

BRAN.

High but fluctuating and unsteady, very good Eastern demand but only fairly good Southern and local orders. Prices are from .65 @ .66, sacked; screenings at 70 cents.

WALTER HOWARD BAIN. St. Louis, July 13, 1891.

OUR LONDON LETTER.

O crops that had a good seed bed and made a fair start the past month has been of the greatest benefit and the heat which has was unable to harm the cereals as they were very strong in root. The outlook During the last month St. Louis has of the English wheat fields is most satisfactory and the steady improvement in the weather have combined to cause a retrograde movement in prices. The concessions were made on the first of June and since then each week has marked a steady decline. Few buyers, even now feel disposed to operate beyond their immediate requirements. excess of the past few years' shipments. price for No. 1 fine California was 48s., The Traffic Association is actively and the present price for the same engaged in forwarding their organiza- quality off stands is 44s. 6d. per quarter. Australian was 46s., but is now offered manager to see to the freight interests at 42s. 6d. making a decline of over three shillings on the past six weeks. the President. Russian wheat commanded 39s. to 46s. offices. It is their intention to see that at the best period and to-day the same the Interstate Commerce Law be not quality can be bought at 37s. to 43s. per quarter. The sudden improvement in the weather and its effects on the wheat plant makes it now possible for the wheat harvest to become general in counties south of the river Thames by August 8th, in the midland shires by the 20th, and in the north by the end of the month. When the first ears of wheat are seen it becomes an easy matter to calculate the probable date of harvest; and the first ears of wheat were shown on Mark Lane Corn Exchange on the 19th of June or some nineteen days later than the average time. In Scotland wheat ears were seen in warious districts as early as the 20th of June and were generally reported from the central districts by the

The unprecedently large arrivals of wheat and seeds in Bombay this season and the pressure upon the railway administration has not been relaxed. For example the G. I. P. staff at Wari Bunder still have to deal with an average arrival of about a thousand truck Calcutta with minor exports from other ports which have commenced fully a fortnight earlier than usual, do not tend to keep the prices in England at a high level and in my opinion the next six months will be a time when values will remain stationary. The values would have fallen still more but for the fact that in France a deficiency of ments were also larger being 41,784 16,000,000 quarters of wheat will have

seeds on account of a large area under wheat having to be replowed.

As promised in my last the following programme will give the readers of the United States Miller an idea of the amount of work and pleasure that will be gone through at the forthcoming Northampton Convention which will be held next week. It will be noticed that pleasure predominates and only two papers will be read. This is much to be regretted as at these conventions the principal object of meeting should be to have five or six good papers read and discussed, matters which affect the trade and require to be put into shape and brought before Parliament,

OFFICIAL PROGRAMME.

TUESDAY, 7th JULY.

11 a. m.—Reception of the Convention by the Mayor and Corporation of Northampton at Guildhall.

11.30 a. m.—Annual Business Meeting, Report of the Council, Election of President, Officers, &c.

11.30 a. m.—Reception of the Lady Visitors by the "Committee of Ladies." 1 p. m.-Luncheon in Masonic Hall a la carte.

3 p. m.—Business Meeting, when papers will be read by Mr. J. W. Loveiband, Mayor of Salisbury, on "The Tintenometer," and Mr. C. E. Gittens on Softening of Water for Steam Boilers."

6.30 for 7 p. m.—Annual Dinner Ladies' and Gentlemen's Tickets, exclusive of wine, 10s. 6d.) at Masonic Hall, when the chair will be taken by

WEDNESDAY, 8th JULY.

10.30 a. m.—Business Meeting, when papers read will be discussed.

1 p. m.—Luncheon in the Masonic Hall a la carte.

1.45 p. m.-Visit Mills, Shoe Factories, Breweries, &c.

4 p. m.-By special invitation of the President and the Local Association the visitors will be conveyed in carriages to Althorpe Park, the seat of Earl Spencer, K. G., where a Garden Party will be given. It is hoped his Lordship will be able to receive and conduct the visitors through the library, grounds, &c.,

p. m .- Party returns to the Masonic Hall, when at

9 p. m. a Smoking Concert will take place in the Banquet Hall, when it is hoped that visitors will give their assist-

THURSDAY, 9th JULY.

9 a. m.—Special Train will leave Castle Station for Leamington at reduced rates. The party will then drive to Stratford-on-Avon and visit at

10:15 a. m .- The Beautiful Parish Church, the Theatre and Monument, Shakespeare's Birthplace, and the Fountain given by Mr. G. W. Childs, of Philadelphia, in 1887.

11:30 a m.—Leave Stratford in Carriages for Warwick.

12:45 p. m.-Luncheon at Woolpack Hotel at Warwick. Visit Castle, leave Warwick at

3:15 p. m. for Kenilworth Castle, where a photograph of the party will be taken.

5 p. m.-Leave Kenilworth for Leamington, passing Stoneleigh Abbey en roule.

6 p. m.—Arrive at Leamington. 6:15 p. m.—Special train to Northampton.

Tickets for the whole excursion, including luncheon (exclusive of Wine) at Warwick, and admission to the various sights, etc., etc., 18s. each.

FRIDAY, 10th JULY.

10 a. m.-Meet at the Masonic Hall. Visit Flour Mills, Queen Eleanor's Cross, Churches, Chapels, etc., etc.; or Drive to Blisworth.

11 a. m.-Organ Recital at All Saints' Church.

1 p. m.-Luncheon at Masonic Hall,

a la carte. 2 p. m.—Carriage Drive to Castle Ashby to view the Grounds (by kind should not be reduced on points outside \$3.60 @ \$3.75; fancy, \$4.10 @ \$4.25; to be added another 1,500,000 for extra ampton), and other places of interest.

8:30 p. m.—Return to Masonic Hail, where an impromptu dance will take To suit the convenience of the members of the Association and their friends morning dress will be admitted both for ladies and gentlemen.

So much for the forthing convention of the National Association of British and Irish Millers which is becoming year by year more like an excursion. The mills that are being built at Cardiff for Messrs. James Tucker Limited are making steady progress towards completion. The contract for machinery was placed last week with Messrs. Whitmore and Binyon of Mark Lane London, El and Wickham Market.

These mills when finished will form one of the most complete plants in the country and they will have a capacity of 50 sacks of flour (280 lbs.) per hour. Most of the dressing will be done on patented round reels and the purification will be effected by Victoria purifiers. The wheat cleaning department will be of a most complete character and the machinery, which will be capable of treating all kinds of wheat, will principally of the well-known "Eureka" pattern, separate sets being arranged for hard and soft wheats. The mills are so situated that vessels drawing 30 feet of water will be able to come alongside and the machinery in the warehouse for discharging the grain from the vessels and storage of same will have a capacity equal to discharging teree such vessels. By the way, the eldest son of Mr. Whitmore of the firm of Whitmore & Binyon, the milling engineers who are much envied by their other competitors for securing the large order, was for some time in the works of Messrs. E. P. Allis & Co. of your city and is now assisting his father at the Iron works, Wickham Market. Some idea of the competition amongst milling engineers will be gathered by the annual report for the year 1890 dealing with the inspection of Liverpool factories. The accidents in this district amount to a total of 275 against 305 in 1889, 53 proving fatal. Most of these occurred in chemical works, slate quarries and iron and steel works of various kinds and the inspector of factories in the report complains greatly as to the apathy shown by engineers with regards to safety in continuing to leave long projecting set-screws on the loose collars of shafting. A well-known firm of milling engineers is mentioned in this report as having recently erected a flour mill in the district which was visited by the inspector who found that every loose collar throughout the record. At 10 o'clock a. m. a telegram building had been fitted with screws arrived from an electric light company not only not countersunk but with half in an Iowa city, stating that their old an inch of screw as well as head pro-

still continues without a near approach to a settlement although the Shipping Federation are sanguine of winning as they state they can get an unlimited number of men. A cargo of malt was discharged on Saturday last into bins especially erected in the Custom House Dock Stores and the corn which the Great Southern Railway men refused to take from Messrs. Richard Perrin & Son's men was accepted on Monday night last. Railway directors are determined to prevent their men from refusing to take delivery of any description of goods, no matter from what merchant consigned. The men, breadth harvested last year of corn, it seems, are determined to hold out, and 108.3; potatoes, 102.3; tobacco 102. say they will win, as they expect sup- Condition-Corn, 92.6; winter wheat Flour Mill and Grain Elevator Diport from other labor societies, notwith- 96.2; spring wheat, 94.1; rye, 93.9; oats, Rectory for 1890-91.

Tickets for the Drive, including Tea at standing that Mr. Hunter has imported 87.6; barley, 90.9; potatoes, 95.3; tobacco, into Dublin some hundreds of workmen, and it is understood that he will bring 200 more from the North of Ireland and Scotland.

> I have just learned that the National Association of French Millers estimates the wheat crop of France at 82 to 83 million hectolitres or 281 to 281 million quarters which would make the deficiency between 13 and 14 million quarters as last year's crops were officially estimated at 41 million quarters.

London, July 2. X. Y.

MILWAUKEE NOTES.

THE Board of Directors of the Chamber of Cammerce has prepared amendments to the rules governing the inspection of wheat, the adoption of which it recommends as a whole. The amendments announced at the session July 24 and voted on by the Chamber, July 1, who adopted the recommendations of the board.

The recommendation of the board is as follows:

Resolved, That rule XIX be and is hereby amended by the inserting of the following paragraph in section 1, under the heading of Winter Wheat."

No. 2 hard winter wheat, to be sound, reasonably clean and composed of not less than 90 per cent. of the varieties of wheat known as Turkish winter," and that section 7 of rule XI be and is hereby amended to read as

All contracts for the purchase or sale of wheat, unless otherwise specified, shall be understood to be for No. 2 wheat, comprising No. 2 red winter and No. 2 hard winter wheat, and these grades, or the higher grades of these varieties, either in whole or in part shall be received in fulfillment of such con-

A cur of 5c per 100 lbs. in eastward land-and-rail rates has been inaugurated and one company's line at least takes flour and millstuffs to Boston at 20c per 100 lbs. The other lines probably will follow suit.

THE failure of one of the largest grain commission houses in Milwaukee, Mohr, Zinkeisen & Co., caused something of a sensation in financial and commercial circles; and legal proceedings were commenced by the firm's

J. A. BBYDEN & Co.'s warehouse and elevator had a narrow escape recently from total destruction by fire. It was, however, saved with a loss of only about \$1,500.

THE EDWARD P. ALLIS Co. recently filled an order for a 200 h. p. Reynolds-Corliss engine in the shortest time on high speed engine had met with an accident sufficient to render it beyond re-The strike of Grain Porters in Dublin pair, and a new engine must be obtained in the shortest possible time. Stock parts of the proper sized engine were put together by a force of selected skilled workmen, and by 4 o'clock p.m. of the same day a special train, consisting of a locomotive and flat car, drew out of the Allis yards en route for the Iowa city, bearing a completed ongine. So the electric company lost the revenue of one night's service only.

JULY CROP REPORT.

HE July report of the Department of Agriculture makes the acreage as compared with

co, 91.1. The heavy increase in corn acreage is more apparent than real. The comparison is with the breadth harvested last year when there was a loss of 6,000,000 acres by abandonment on account of drouth. The present return makes the acreage slightly less than 78,000,000 acres or somewhat smaller than the area actually planted. Kansas and Nebraska naturally show a large increase, but their area apparently does not exceed that harvested in 1889. A further and more minute investigation will be made in the districts which suffered most from drouth last

The crop is late in all sections on account of drouth and unfavorable conditions at the time of planting and cool weather during May, but June was warm with abundant moisture, and the crop was coming forward rapidly on July 1. In the Ohio and Upper Mississippi valleys the progress during the month was especially gratifying, but in Kansas and Nebraska considerable damage resulted from excessive rainfall. In many districts the June rains prevented proper working, leaving fields foul, but a few days of sunshine would remedy this. The general average is a fraction below that of 1888 and of 1890 and slightly above that of 1889. The averages of surplus states are: Ohio, 93; Indiana, 95; Illinois. 96; Iowa, 94; Missouri, 88; Kansas, 82; Nebraska, 90.

The condition of winter wheat is returned practically the same as in June. The crop is harvested, except in its more northern habitat, with a condition the highest reported since 1879 with one exception.

So far as can be judged at time of harvest the berry is reported generally plump and in keeping with the heavy straw, but occasionally mention is made of short heads. Averages of principal states are; Pennsylvania, 98; Ohio, 97; Michigan 89; Indiana, 99; Illinois, 98; Missouri, 98; Kansas, 94; California, 98.

The condition of spring wheat improved during June, the advance being in Minnesota and the Dakotas, where the month was exceptionally favorable. Chinch bugs have appeared in portions of the Northwest but with no appreciable damage yet. State averages are: Wisconsin 77; Minnesota, 93; Iowa, 96; Nebraska, 96; North Dakota, 98; South Dakota, 97; Washington, 98.

Oats have improved during the month, but the general average is the lowest reported since 1879 except in 1887 and last year, when a July condition of 81.6 was followed by a practical failure of the crop. The poor condition is generally the result of drouth early in the season, the present improvement having followed the seasonable rains and high temperature of June.

The first return of potatoes shows condition higher than the average of recent years, while that of tobacco is higher than in any year since 1886. The fruit prospect is very flattering in New England and the North Atlantic states and West of the Missouri river to the Pacific coast. The crop in Ohio and Michigan was materially damaged by the frosts of May. A special cable from the European agent indicates a heavy deficiency in the European rye

ALL persons desiring to reach the entire milling and grain trade of America, by circular or otherwise, should obtain a copy of Cawker's American

THE GLUTEN IN WHEAT.

HE relative proportion between the gluten and starch differs in different countries, and also on different soils; but the gluten being by far the more valuable of the two, any slight increase in its percentage would greatly improve the wheat. Our wheats have the reputation of possessing gluten in large proportions, and in many parts of the world they are sought eagerly for seed. But a great deal of this has been due to the fact that the wheat has been grown on the virgin soil of the Northwest, where the rich nitrogenous matter has been collected for centuries. Wheat grown upon the virgin soil of this country is so much superior to that of many other countries that 100 pounds of it will go further to sustain the strength of workingmen than 150 pounds of wheat from Australia and other countries.

The object in cultivating wheat then is to increase the quantity of gluten, and the application of manure for this purpose has not yet been definitely settled. The fertilizer that will produce the heaviest crop of wheat does not always produce the greatest amount of gluten. Virgin soil, however, is the soil, when cultivated, that contains the essentials for producing a high percentage of this constituent, and anything that will tend to keep the soil up to this standard is good.

A great deal also depends on the wheat. That the West is specially adapted by the character of the soil for wheat growing may be shown by a curious result of sowing foreign seeds there. The round varieties of wheat contain a less amount of gluten than the elongated, but when these same round seeds are sown in the soils of the West they gradually become elongated, increasing the amount of gluten as they change in shape. Flour made from wheat rich in gluten is never the whitest, but has rather a creamy tint. The mistaken idea among many is that the whiter the flour is the better it must be. It may make the whitest bread, but it does not contain a large percentage of gluten, which is the constituent of the wheat that goes to make muscle and strength .- A. B. Barrett in Chicago Journal.

MILLING IN SWEDEN.-Only a few years ago flour milling was in Sweden in a most primitive condition, but in this respect a great change appears to have recently passed over that land. Large and well organized mills have sprung up as if by magic, especially in the ports, and their products have, it is said, well-nigh driven out the fine Hungarian, German and Russian flours, which used to find a ready market in Sweden. Competition between the native houses is already severe, and is of course likely to increase in proportion to the multiplication of merchant mills. But although the Swedes are taking so kindly to white bread, the bulk of the breadstuffs consumed still consists of coarse rye flour, which is baked into a bread peculiar to the country. This rye flour finds a good market in the sister kingdom of Norway, which seems to be less well provided with mills. Swedish millers are plainly men of some resource, as after bad wheat harvests they find work by making barley meal. Danish millrights used to enjoy a sort of monopoly in Sweden and Norway, but in the recent erection of modern merchant mills they would appear to have been displaced by German milling engineers.



Mill, of Washington, Pa., has been leased by J. D. Frazier, who has put in the roller process.

NEAR Charleston, Mo., July 5, John S. Cordrey lost 2,200 bu. of wheat by fire. Insured for \$1,500.

AT Hollister, Cal., July 6, the flouring mill furniture factory, and a store were burned. Loss \$4,000; insurance \$500.

AT Decoto, Cal., July 4, Salz's grain warehouse, also store and saloon were burned. Loss \$20,000; insurance \$10,000.

THE Manheim Roller Flour Mills, at Manheim, Pa., wnich have been undergoing repairs, resumed operation July 9.

AT Alvarado, Cal., July 4, the Alvarado Roller Mill and Grain Elevator, were burned. Total loss, \$35,000; insurance \$25,000.

DANIEL F. DIETRICH & Sons will begin the manufacturing of flour at Reading, Pa., shortly, under the firm name of the Penn Milling Company.

THE new grist mill of Richmond and Rafter at Clifton Springs, N. Y., was damaged by fire to the amount of \$800, July 2. Fully covered by insurance.

AT New Rockford, N. D., July 6, J. W. Richter's elevator was struck by lightning and burned with 30,000 bu. of wheat. Loss \$50,000; no insurance.

A LARGE elevator and corn mill is being erected at Bangor, Me., by J. C. Towle & Co., who expect to have it ready for operation by the first of September.

AT Warren, Minn., July 6, the Inter-State Grain Company's elevator and warehouse, with 10,000 bushels of wheat, was burned. Loss, \$25,000; fully insured.

THE elevator at Brownton, Minn., owned by Childs & Hinreichs was burned with several thousand bushels of wheat on June 16. The building and grain were insured

THE liabilities of Chas. Haight & Co., flour commission merchants at No. 24 State street, New York, are reported to be about \$300,000, and nominal assests considerably larger.

On May 25 Mr. J. C. Hotham who recently rented the Ebensburg (Pa.) Steam Flouring Mill took charge of same. As soon as some needed improvements and repairs are made the mill will be put in full operation.

A SYNDICATE organized at London and having Paris interests allied with it, has sent a representative to the United States with authority to invest \$28,000,000 in grain. One of the heads of the Rothschilds in Paris is interested.

THE London barley market is higher ow ing to reports of a serious drouth in south Russia. The weather in that country has become excessively hot—"tropical" Beer-bohm cails it—and all crops are being seriously damaged.

AT Davison, Mich., July 9, the flouring mill of D. P. Bothrick was burned. The mill was three stories high, and, with the machinery, was valued at \$7,000. It was a total loss. Insured for about \$5,000. There was little flour and grain in the mill.

McCullough & Suffell have leased the flour mill at Connor's Point, West Superior, Wis. The mill has been shut down for some time and the new lessees are placing it in good repair preparatory to starting up as soon as possible. The mill has a capacity of 200 barrels per day.

THE little village of Clitheral, Minn., four miles east of Battle Lake, Minu., suffered a severe loss by fire June 17. The grist mill, Northern Pacific elevator and two box cars were burned. The fire originated in the mill, which was being operated day and night. Loss, \$25,000; insurance not known.

A LANSING, Mich., report says grain lice are almost so numerous as they were two years ago, when considerable damage was done. Bloomington, Ill., says the arm worm is playing sad havoc with wheat in that section. In Iowa, Minnesota and South Dakota terrific storms have damaged the

W. A. DAVIS, a millstone manufacturer of the town of Rochester, Ulster County, N. Y. has been placed in jail at Kingston to await the action of the grand jury. He is charged with having forged the names of many of the principal business men in the neighborhood of his home to notes aggregating upwards of \$800,000.

AT Toledo, O., May 27, ground was broken for a large wheat elevator which is being built in connection with the Toledo Flouring Mill. The elevator will be 50x100 feet and 70 feet high, and will have a capacity of 200,000 bushels. The mill which is just approaching completion will have a capacity of The mill contained 300 to 400 barrels of flour half of such surplus profits as should lent prospects for the future. Last 4,500 to 5,000 barrels per day.

THE contract for the erection of the Humbaugh, Marlott & Co. elevator at Rapid City, Minn., to be completed by Aug. 10, has been

EWS .- The Coon Island Flouring let. Work will commence at once. Rapid amount of belting were ruined by fire. The sort of monopoly of the business for a bushels and its milling capacity 150 barrels a day last year but there is still a demand for more mills and more elevators.

> A SYNDICATE has been formed at Gaithersburg, Md., to be known as Gaithersburg Milling and Manufacturing Co., for the purpose of operating a large milling plant of 150 barrels daily capacity. The same motive power is to be used to operate machinery for cutting and bailing hay and manufacturing fertilizer. The capital is \$50,000.

> THE large roller process flouring mill at Waynesborough, Va., which for several months has been idle, will shortly be put in operation. Andrew Boling, of the Augusta Roller Mills, near Staunton, and M. Kiolighan, a grain dealer of Staunton, have obtained possession of the mill and will soon have it running to its full capacity of 180 barrels per day.

> THE Stoneboro Steam Flouring Mill, at Franklin, Pa., owned by George W. Porter and A. E. McClelland, was burned to the ground June 18. The mill was a large frame structure erected about five years ago, and was furnished with first class modern machinery. The origin of the fire is unknown, but it is supposed to be the work of an incendiary. Insurance \$5,000.

> THE Marion Milling company, of Marion. O., recently incorporated, has succeeded to the Gregory & Sears mills with a \$80,000 capital and officers as follows: T. P. Wallace, president; J. Strelltz, vice president; J. B. Fisher, secretary; William Wuntsuiger, treasurer; M. E. Burke, manager: directors. E. Huber, T. P. Wallace, J. Strelitz, T. Fahey, J. B. Fisher, M. E. Burke, E. Conley.

> LUKE MARVIN, assistant manager of the Lage Superior Elevator Company, Duluth, states that the 279,095 bushels of wheat which the experts could not account for in their report in St. Paul, is the exact amount of bin burned wheat disposed of under the direction of the railroad and warehouse commission and of which the experts would, of course, get no account. The experts apparently found no other wheat missing or shipped out without inspection or weighing.

> CONTRACT has been signed by the Cochrane Roller Mills, of Escanaba, Mich., to immediately remove their plant to Basic City. Instead of the Cochrane Roller Mill Co., the concern will be known hereafter as the Basic City Iron Works. The Company will make a specialty of manufacturing flour mills. They will also manufacture other machinery, such as chilled plates for ore crushers, car axles, turn-tables, chilled shoes and dies for stamp mills, couplings, shafting, boiler fronts, fire arches, fire doors, fly wheels, etc.- Va. Manufacturer.

> AT West Superior, June 28, a meeting of the Freeman Mill Company stockholders was held at which the following directors were elected: W. H. Slack, H. T. Fowler, Peter Deyo, C. E. Billquist, John L. Lewis, A. A. Freeman, E. A. LeClair. The stockholders present represented \$166,000 of stock subscribed. Director Billquist is of the old New York flour firm of Grinnell, Minturn & Co. that will occupy the same position to the new mill company as the defunct Chas. Haight & Co. did originally.

> THE Mazomanie Milling Company and Bronson, Draper & Co., bankers, both of Mazomanie, Wis., suspended on June 25. The milling firm is composed of Bronson, Wendt & Watterson. Watterson is a wealthy business man of San Francisco. The assignment is caused by the heavy drop in flour, New York. The bank is a private concern and is directly interested in the milling company. The liabilities are estimated at \$20. 000. The assests will more than meet them.

> THERE has been inaugurated in Brussels an international bureau for the publication of the customs' tariff of all countries. The bureau is supported by English, French, German, Belgian and other governments. and it is expected that it will render great service to the commercial world. The foreign Department of Belgium has been entrusted with the organization of the institution. Probably the most important feature of the bureau will be the publication once, or several times, monthly of an international custom's bulletin, printed in the English, German, French, Spanish and Italian languages, and containing the custom's tariffs of the world, and other information.

of Urban & Co., on Ellicott street, near Genesee street, was damaged by fire. The flames were confined to the top story. Loss, \$40,-000, of which about \$4,000 is on the building. and 8,000 bushels of wheat, all of which was ruined by water. The heaviest loss is on the machinery. The cleaning machinery was on the fifth floor. This and the large for the company's purposes, and for a is again crowding the limits.

City elevator capacity was increased 70,000 remainder of the machinery was ruined by water. Mr. Urban states that the insurance is \$11,500. Fire also did \$5,000 damage to Barber Asphalt Company on Fourth street, near the canal.

> AT Lancaster, Ky., June 29, the granary belenging to W. H. Kinnaird and operated by H. B. Marksburg, was burned. Loss \$12,700, located as follows: Building, \$4,600; insurance \$3,000;14,000 pounds of wool, \$8,500, property of Cogar & Haas, Danville, fully insured; 3,000 bu. of wheat owned by Duddason Bros., Gilbert's Creek, policy of \$4,000; 6,000 sacks belonging to H. A. B. Marksburg, the manager, \$6.000; no insurance. The companies in which policies were held were Liverpool & London & Globe, North British and Mercantile, Queen, Royal, Springfield Sun, Mutual and Aetna. Two gondola cars, property of B. & O. Railroad, were also burned, with a loss of \$1,000. The fire is the work of an incendiary.

> THE following Milling Companies were incorporated during the past month. The Ravanna Milling Company of Ravanna, of Garfield County, Kans., capital \$5,000. Directors-G. U. D. Guff, Geo. W. Miller, J. R. Bricker, Fred. C. Thomas and John Newhall. Fairplay Milling Company, of Fairplay, Mo, capital \$10,000. Incorporators-H. D. Train. Jas. B. Elsley, John W. Raynor, S. D. Strain, S. G. McAchron. The Progress Alliance Milling and Graining Company, of Pottsboro, Tex.; capital \$5,000, Directors-Wm. Bynum, S. A. Perdue, Thomas Marion, Wm. Reeves and John Beaty. Majorsville Milling and Mining Company to operate saw and grist mills, at Majorsville, Marshall county, Pa. Capital \$7,000 with the privilege of increasing it to \$20,000. S. T. Alley and thirteen others are the incorporators.

AT a meeting of the chamber of commerce of West Superior, Wis., July 6, T. G. Alvord, after stating the object of the meeting to receive a report from the committee appointed to revise the operative methods of the Superior commercial union, said: "I regret to inform the chamber that the meeting is being polluted with an element which must be expurgated." This refered to J. Adam Bede. Bede denied having lied about Superior. F. A. Mannen moved that he be ejected and given his choice of going quietly or being thrown down stairs. The motion was adopted and Bede was ejected.

The flour movement through the port of Superior, Wis., is holding out unusually heavy for this, the dull season, with the Minneapolis mills. The presence of the larger class of lake vessels at Tower bay slip lock daily is an interesting feature of the changes in this port. The Northern Steamship and the Eber Ward line are each going to this point whenever they have consignments of importance for local delivery.

CLIPPINGS FROM THE MILLER, (LONDON.)

ELEVATORS IN INDIA.—The report of the Bombay Chamber of Commerce for the year 1890 contains an interesting correspondence on the subject of grain elevators, and although the letters themselves date back as far as the latter end of 1889 and the commencement of 1890, yet this question of grain handling and storage can never be out of season in connection with our great Eastern dependency. In September of 1889 a the milling firm having forty car-loads in proposal was laid before the Government of India by Mr. James G. Smith, ferable, like their prototypes in America; and also to issue "certificates," which it was suggested, should be countersigned by an official appointed by the Government. The promoters of the scheme held that a fair start might be made with a capital so small as £25,-AT Buffalo, N. Y., June 16, the flour mill 000, but asked of the Government a meeting with deserved success. In a guarantee of 4 per cent. for the first recent letter to us they state that they five years' work, such advances to be are very busy, having all the work that repayable, without interest, from one- they can handle at present and excelexceed 6 per cent. The Government spring they added considerably to their

term of five-and-twenty years. Some of these claims certainly seem large, but building and machinery at the works of the the scheme was carefully considered by the Indian Government, and, as usual, the opinions of experts were taken. Colonel Filgate, R. E., was strongly in favor of the enterprise, while that authority on Indian and other wheats, Mr. John McDougall, though advocating the establishment of grain elevators as a necessity for India, pronounced against the grant of any sort of monopoly to private firms, counseling the Government to take the scheme into its own hands. A decidedly adverse view was received from Mr. John Marshall, the secretary of the Bombay Chamber of Commerce. Mr. Marshall, speaking on behalf of the committee and of other members of the Chamber, many of whom were reported to be up-country buyers and exporters, declared elevators to be unsuited to the requirements of the country, and to be financially impracticable. He pointed out with some force the difference in the conditions of Indian and American agriculture. In the United States large tracts are sown with the same kind of wheat, and thus grading is a comparatively easy task. There are many railways, so that every means is at hand for quickly and cheaply taking cereal crops to central points, while the climate renders the storing of produce in warehouses a necessity. All these conditions are, it is urged, absent or reversed in India. The wheats grown, are of too varied a character to be graded without much greater labor than is entailed in America. With the still undeveloped railway system, facilties for conveying grain to central points are few; while, on the other hand, the cheapness of labor is calculated to take a large discount off the economy effected by handling grain on a large scale and by machinery. The heaviest objections brought forward by Mr. Marshall are based on the climate. He says that "for seven or eight months of the year grain can be safely 'kept in the open air without expense for either rent, fire insurance or other charges incidental to warehousing; while during the other four or five 'months the native system of storing 'in pits is not only inexpensive, but 'gives immunity from weevils which "no mode of warehousing ensures. The "loss in weight from this cause alone during the monsoon would probably be not less than 5 per cent., not to speak of the still more serious damage 'to quality which results; and for this 'reason alone, if no other objection ex-'isted, the members of the Chamber consider that elevators would prove of Messrs. Richie, Stuart & Co., Bom- "unsuitable and impracticable." The bay, for founding an Indian elevator Chamber appears to have formulated company, which should work in India its judgment on results given by certain on the lines of the great elevator com- elevators of the old school, in which no panies of the United States. That is to aeration was secured. Air is a deadly say, this company was to undertake to enemy to weevils and similar insect clean, grade and store wheat, to deliver plagues, and it seems probable that in 'grain receipts," which should be trans- unreservedly condemning all elevators, without reference to system, the Bombay Chamber of Commerce may have spoken too hastily.

Good goods and fair treatment will win every time. On this principle the Union Iron Works, of Decatur, Ill., are was also asked for grants of free land capacity, but the steadily growing trade

THE MILLERS' TRACING BUREAU.

R. FRANK BARRY, the efficient secretary of the Millers National Association, has recently issued the following communication in regard to the Millers' Tracing Bureau, which is well worth careful consideration by millers. The circular reads as follows:

"At the recent annual convention of the Millers' National Association the subject of the so-called 'Millers' League' or 'Tracing Bureau' was taken up for discussion, resulting in the adoption of a resolution: 'That the formulation of a Millers' Tracing Bureau be referred to the executive committee, with power to put the same in operation as early as practicable, it being understood that the expense of conducting said bureau shall be borne by its patrons. In compliance with this resolution the executive committee has prepared a plan, which is submitted herewith. As a preface your attention is called to the fact that, so far as all former plans for the organization of a tracing bureau (proposed by the executive committee of this association Dec. 20, 1890, and submitted first by Mr. A. M. Bailey, and subsequently through a circular issued by the association Jan. 25, 1891,) are concerned, the same are dropped, and the plan as herein outlined substituted, and will be put into immediate operation. It is hoped that the subscriptions heretofore made by members of the association to the guarantee fund will now be renewed and considered binding.

"It is proposed to form an organization to be known and styled as 'The Millers' Tracing Bureau," which shall be managed by the executive committee of the Millers' National Association, enterprise may be shown by the memthe function of which shall be to trace and hurry to destination shipments of sure its ultimate success. flour made by members who may join

this sub-organization.

"Any member of the Millers' National Association may become a member of the Millers' Tracing Bureau by signing an application in which agreement is made to subscribe to the guarantee fund, for the support of said bureau, a sum not less than \$10 per unit, of 100 barrels, of the daily capacity of the mill or mills owned, controlled or operated by the applicant; such guarantee to be payable in such amounts, and at such times as the executive committee may direct. Provided, that such application shall be approved by the executive committee.

"The expense of operation of the bureau shall be borne by its members. A fee per sack or barrel, will be charged for the service furnished, and monthly statements of accounts rendered, to be followed by sight draft. It is believed that the patronage secured will make it self-supporting from the start, and that it will be necessary to call for but a small proportion of the guarantee fund, to be used for purchasing stationery and supplies, which amount may be returned to subscribers at a later

committee until the next annual con- often a splatter falls right into his eye. vention of the Millers' National Association is held, at which time a convention of the members will be called, and if desired, the organization may be and seems to close automatically in Clausen. It is a smoke burner which all—a little good common sense. If a perfected by adoption of a constitution and by-laws, and election of officers to manage the affairs of the sub-organiza-

"For the present the service of the bureau will be confined to tracing export flour shipments; the charge to be made for such service to be one-sixth of one cent for 140-pound sacks, and one fourth of one cent per 280-pound sack or per barrel, on all shipments reported for tracing.

"Upon acceptance of an application for membership, the member will be supplied with suitable blanks to be filled out complete, giving all informa-tion required thereby, which should be promptly forwarded to the secretary of the Millers' National Association, the information thus given to be held and funny way of stopping bleeding. admitting as much air as possible and The best dressing that I have ever seen treated as strictly confidential. At the They think nothing of a cut finger or passing it through the fuel, where it for leather belting is a little castor oil.

New York City, who will have assistants at Boston, Baltimore, Philadelphia, and all important seaports of the United States. Upon receipt of advice of a shipment to be traced, the secretary will at once report the shipment to the representative at the seaboard, who will be on the lookout for it, and, upon arrival, see that prompt transfer is made to the steamship, and report any and all delays that may occur.

"Should there be a delay at the seaboard which our representative there may be unable to promptly overcome. an effort will be put forth from headquarters to correct the matter, and all members of the organization will be promptly advised of such troubles in order that they may avoid shipping via routes which do not furnish proper and prompt service. As the requirements and patronage of the bureau warrant, its field of operation will be enlarged, and agents will be placed at other important freight transfer points, such as Buffalo, Toledo, Chicago, St. Louis, etc. After successful operation in tracing export business, the bureau may extend its action to the field of domestic shipments.

"An arrangement has been made with an efficient and experienced man to represent the bureau at the seaboard, and as soon as the proper blank forms can be prepared it will commence operation. Under this plan we can start with a smaller guarantee fund than we have heretofore thought necessary. Every member of the Millers' National Association who is exporting flour is invited and urged to join in this important movement.

"We predict that the result of this movement will be of inestimable benefit to members, and trust that sufficient bers of the National Association to in-

EMERGENCY REMEDIES.

Necessity Teaches Men to be Their Own Sur-



VERY man to his trade. man is either a fool or a physician at forty. Here are two ancient adages which suggest a combination. Every trade has its special if placed over the wound in sufficient physic. This is true. In conversation quantity to keep out the air, it will from the agricultural department. a few days ago with a Recorder reporter, a New York surgeon remarked that few things gave more pain, attended with so much danger, as some particles of lime dust in the eye. A gentleman standing by quietly remarked: occurence, is attended with hardly any are commonly used to cure rheumatism, danger, and is most easily treated.' How so?" came a chorus of voices.

up to the trade of a plasterer, a ceiling nature's healing work so well as burned the less, they rely upon official reports plasterer. You may not know that the cork. Thus every trade and profession the better .- Market Record, Minneapomost pure lime. The plasterer stands "The bureau will be conducted It falls upon him in every direction, trade known." under the direction of the executive and especially if he is a new hand, When he gets accustomed to the work, dent occurs a fellow-workman takes a coal, even the worst soft coal, and it is wheat to your mill and the wagon gets possible, and squirts with all his force the contents of his mouth against the eyeball. This immediately cools the that the cause why so much carbon es- ninety-nine cases out of a hundred the lime and also drives it out of the eye. Simple remedy, isn't it, and eminently practical. But you see a man's eye enormous waste of material and a pol-that any kind of a daub placed on a would be burned out long before he could reach the nearest doctor's."

run to the nearest spirit cask, or claret, In this way smoke consumers have drops fall on the wound. It acts as an tolerably well. immediate styptic. Then a big dusty webs are splendid healing agents."

at a loss under such circumstances; lay not with a lack of air, but, on the their favorite stypsic at sea is a bit of contrary, with too large a supply of it. unravelled tarred rope. On land they He reduced the amount of air admitted will take the quid of tobacco from their cheek, or the lining of their cap, and where he admitted air only through its effect is astonishing. But I have two little holes of the diameter of an seen a man wild drunk after such a quid has been tied over a wound. suppose the nicotine gets into the blood of the coal was complete. and acts as an intoxicant."

"Carpenters," said another gentlea handful of fine shavings and clap tion and have proved remarkably sucthem on to the wound, and joiners swear by a daub of glue, but one of the quaintest things I ever saw used was by an old farmer up in Chester County. He got his hand badly torn by a bit of old wire fence, and it bled considerably. Without a thought he stooped down and dug up a handful of soil, spat on it and worked it quickly into a paste, and laid it on the wound, and bound it up with his neckhandkerchief. In an astonishingly short time he was at work again as if nothing had happened."

"Can any one tell me the therapeutical value of fasting spittle?" asked a quiet man. "I know that old wives, as the saying is, take great stock in it for warts, birthmarks, corns, bruises and even small cuts. Indeed, old nurses seem to believe that their saliva in the morning before taking food is a panacea for every kind of skin complaint. But did you ever hear of the nap of an old beaver or silk hat being used as a styptic? You will find it a capital one, and for burns and scalds, draw out the heat rapidly, as any hat manufacturer will vouch."

"We are getting a little off the track," said one, "when we talk of fasting spittle; deep sea fishermen and fishmongers generally hold that nothing is bet-And yet such an accident is of daily ter than a piece of fish skin. Eel skins and are considered infallible by some. final layer upon a good ceiling is all has its own emergency remedies, as the lis. doctor called them just now, and doubtupon a platform and lays on the paste. less the list might be extended to every

SMOKE CONSUMER INVENTED.

the eyelid seems to get used to it, too, by an engineer in Russia named A. question, says: Let me answer once for self-defence. Directly such an acci- is claimed to consume every particle of man is drawing a hundred bushels of mouthful of water from the nearest based on a principle which is the direct stuck, he must either take off part of pail—and there is always a pail of opposition of the one that has been the load or hitch on more horses. It water handy-opens the eye as wide as held for years to be the only one by is exactly the same with a slipping which a complete smoke consumer belt. You must either lighten the could be constructed. It has been held load or else put on a heavier belt. In caped in the ordinary furnace in the trouble will be entirely obviated by form of smoke, causing at once an putting on a double belt. Rest assured lution of the atmosphere, was that an belt will be a detriment instead of a Immediately other gentlemen had so that there was not enough oxygen few minutes, and then this stuff will something to tell. One was a wine to burn all the carbon. Smoke burners collect on pulleys and in places on the merchant. "My cellarmen have a have been constructed with a view of belt, making it much worse than ever. start a representative will be placed at hand, or even of a large wound. They would come in contact with the coal -The Tradesman.

if spirits are not handy, and let a few been constructed that did their work

Mr. Clausen, however, started to old cobweb is taken from the nearest solve the problem by first analyzing bottle or corner of a bin and clapped the matter that escaped through the on tight over the cut or abrasion. Cob- smokestack, and claims to have found that a large part of it consisted of free "Sailors," said another, "are never oxygen. He concluded that the fault to the furnace until he came to a point ordinary lead pencil. When he attained this, he claims the combustion come from Paris and London indicating that experiments on a small scale man, "if they cut themselves pick up have been made with the new inven-

DANGEROUS INFORMATION.

How to speculate without brains is what every one that speculates should know. It is easy for one to know too much to be a speculator. There are certain data of an official character that are true and more that are untrue, or perhaps are estimates of uncertain value. To know all these that bear upon the values of a speculative commodity and not to know the relative bearing of each would be worse than to know nothing of them. It has been often noticed that the statistician, so called, "gets left" in speculating. It proves that it is dangerous to have just that kind of information in just that quantity that generally involves the one that is guided by it. If he knows nothing of these things and is guided by instinct or impression he is oftener right. In the present crop year the statistical position of the cereals, as to quantity and requirements, was officially promulgated from Washington We were limited by them in quantity for the year. The quantity is used but the year is not. Whoever knew all those official announcements and attached to them his faith and money needs sympathy. He and his money are parted, but he has the estimates. They may make him wiser but he is not so rich. Brains enough to know A negro minstrel once told me that that official data have only approx-"Well, I will tell you. I was brought nothing stopped bleeding and assisted imate values have speculative uses, but

THE SLIPPING OF BELTS.

A multitude of opinions have been put on record as to the best means of preventing belts from slipping. A curious invention has been made writer in an exchange, referring to this insufficient supply of air was admitted, help. The belt will run better for a

OUR LEGAL DEPARTMENT.

Specially prepared for The United States Miller and Milling Engineer, from the latest decisions.

COMPENSATION OF PARTNER. - A partner is not entitled, unles under some special agreement to any compensation for his skill, labor or services while employed in the partnership business. He owes these gratuitiously for the success and accomplishment of the partnership operations. A managing partner, who employes his minor children, with the consent of the other partner, is entitled to compensation for their services.—Taylor v. Ragland, Supreme Court of Louisiana, 8 South, Rep. 467.

LIABILITY OF RAILWAY COMPANY AS Warehousemen.—In an action against a railroad company for freight alleged to have been lost while in its warehouse by its negligence, a charge that "if the company failed to deliver this freight, and undertook to deposit it in its warehouse, the liability of the railroad would be that of a warehousejury the question whether the company delivered the freight to its agent to be deposited in its warehouse or to the owner.-Georgia Railroad & Banking Co. v. Thompson, Supreme Court of Georgia, 12 S. E. Rep. 640.

DAMAGES FOR CONSTRUCTION OF DAM. -Where a company constructs a dam across a natural stream, which flows down through lands of another and discharges the water thereby detained in larger amounts than the stream will carry, causing the same to overflow the land, it is guilty of a trespass, and liable for the injuries caused thereby, though it was authorized to construct the dam, and the same was constructed in a proper manner.-McKee v. Delaware & H. Canal Co., Court of Appeals of New York, 26 N. E. Rep. 305.

ALTERATION OF NOTE AFTER SIGNA-TURE.—Where the maker of a note changes it after indorsement without the indorser's knowledge, by adding to his signature "& Co." thus making it the signature of a firm of which he is a member, the indorser is discharged from liability, even though the maker had no authority to bind the firm. Where the note did not show upon its face any evidence of an alteration, the burden was on the indorser to show the alteration. But, where, after the alteration, the inderser with knowledge thereof, writes above his name an express waiver of protest, and notice, this is a ratification of the alteration, though no new consideration passes. A stipulation in a note to pay costs for collect- contract price. In such case, when the as the markets of the world are further mented by board and lodging, and the ing on failure to pay at maturity does seller, after his contract of sale is made, opened to them, they will with their same operative who is a very Mark not destroy its negotiability.-Mont- notifies the buyer that he will not fill gomery v. Crosswait, Supreme Court of the contract, in the absence of any evi-Alabama, 8 South, Rep. 498.

ACCEPTANCE OF BENEFITS UNDER AS-SIGNMENT FOR CREDITORS.—A creditor who has availed himself in any manner of what purported and was intendto be an assignment made by his debtor, the instrument being defective on its face, or has obtained and accepted benefits to be derived therefrom, for Mercantile Co. v. Lush, Supreme Court example, by making and delivering of Kansas, 25 Pac. Rep. 646. proof of his claim to the assignee, and thereafter, although notified of its allowance, permitting it to stand as a proved-up claim against the estate, bars himself from taking any action which will defeat the purpose of the instru- lers, it will not be for want of effort and ment as a transfer of the property of the assignor.—Olson v. O'Brien, Supreme Court of Minnesota, 48 N. W.

justed and the amount due agreed dian flour is received by the residents Bros. & Co., Galion, had failed. This did not amount to buy the product of our millers. payment by the company. Had the money, or had he agreed that it should tained, and remarks: "The fact is esamounted to payment, but in selecting the flour of Canada, after the severest this method of payment without agreement the company assumed the risk .-Clemons v. Livingston County Mutual is good for all West Indian Islands, Fire Insurance Co., Supreme Court of South America and all the tropical New York, 12 N. Y. Supp. 433.

RIGHT OF ACTION ON DISSOLUTION OF PARTNERSHIP.—When a firm is voluntarily dissolved and under the terms of the agreement for dissolution one of the former partners designated to liquidate the affairs of the concern, a man," is correct, as it submits to the right of action in his favor immediately arises, against a retiring partner whose ped there is up to the standard." account on the books is overdrawn beyond what could possibly be his dividend under the terms of the dissolution.—Gray v. Green, Court of Appeals of New York, 26 N. E. Rep. 253.

> DIVERSION OF WATER FROM MILL. In an action for the obstruction and diversion of a stream, it appeared that a dam was built above plaintiff's mill and a three-inch pipe inserted, through which the water ran to a tank. Plaintiff introduced evidence that since the dam was constructed there was never enough water to furnish full power to his mill, while theretofore there had been enough to run it 10 months out of the year, and that before the loss of water the rental value of the mill was \$500 a year, and afterwards nothing. Defendent introduced evidence that the diminution of the stream was not due to defendant's dam and pipe, but to a general drying up, and that plaintiff was not injured. The question was properly submitted to the jury, and a verdict for plaintiff would not be disturbed, as they are the sole judges of the facts.-Marsh v. Delaware, L. & W. Ry. Co., Supreme Court of New York, 12 N. Y. Supp. 376.

FAILURE TO FULFIL CONTRACT FOR SALE OF GRAIN.-In an action by the buyer against the seller for breach of contract for the delivery of corn, the measure of damages is, as a general rule, the market value of the corn at the time and place of delivery, less the dence on the part of the seller, that the buyer, after notice that the seller would not fill the contract, and before the date of delivery, could have purchased the corn in the market of the place of delivery, upon such terms as to have mitigated his loss; the measure of damages remains the same. - York Draper

CANADIAN FLOUR IN JAMAICA.

F an easy entrance to the markets of Jamaica is not secured for Canadian manufacturers and milenthusiasm on the part of Commissioner Adam Brown. A fortnight since he addressed the Board of Trade in this city, dilating eloquently on this para-

upon. The agent of the company of this tropical clime. Before Canadian Darby & Son, Seneca, Md. (2d order); thereupon deposited in a local bank flour was introduced, he tells us, the Aberdeen Mill Co., Aberdeen, S. Dak.; the amount due and notified the in- bread of the natives was as bad as it Jackson Milling Co., Stevens Point, sured to call and get it. The notice could be. After tasting that made from is. (2d order); W. V. Hartwell, was received after banking hours, and Canadian flour the people of the island Plattsburg, N. Y.; Appelt Bros., Detroit, when the insured went to the bank the were demanding a better article and Mich. (2 machines); Benton Harbor next day, to get his money, the bank are now clamoring for their bakers to Mill Co., Benton Harbor, Mich. (2 ma-

He would have the good reputation insured delayed in calling for the of Canadian millers carefully mainbe left there for him, it would have tablished beyond peradventure, that test possible, has stood the climate of Jamaica, and what is good for Jamaica, countries. We have established a reputation for our flour in tropical countries by this exhibition, and we must maintain it. Every miller who has sent flour there knows what he has sent. Therefore if we desire to keep this reputation it must be seen that the quality and character of the flour ship-

The Commissioner showed himself alive in meeting any unfavorable criticism that was passed upon the product of our millers. A circular from an American source was placed in his hands on April 23rd, questioning the keeping qualities of North-west wheat. He immediately caused bread to be made from Manitoba wheat flour, which had been four months in the island. It was as sweet as a nut. One hundred and fifty thousand pieces of bread baked from Canadian flour, varying between rolls, loaf bread and Scotch scones, were distributed among the visitors with the result, that "more, more," was the constant cry.

The Gleaner of Kingston, Jamaica, editorialy remarks: The direct and somewhat novel appeal to the minds of many, by way of that ancient receptacle, the human stomach, has finally settled the question. To-day, thanks to the push, speeches and indefatigable efforts of Mr. Adam Brown, the Jamaica market is open to Canada, not only for flour but for a host of things. That gentleman has done his part, it now remains for the Canadian millers to do theirs. The future of this breadstuff question lies in their hands, and a hint to them-American competition will be ally it is asserted that the British West worth per annum."

with all the conditions required .- The Canadian Miller.

TRADE NOTES.

THE Superlative Purifier Manufacturing Co., of this city, have orders from New Era Scalpers from McMullen & McCrea, Saltsburg, Pa.; J. Martin Trice, Blairsville, Pa.; I. J. Bolton, Sandford, Ind.; Boyes, Deane & Co., Seward, Neb.; C. Koontz, Dorchester, Neb.; Jackson Milling Co., Stevens Point, Wis. (third order); H. Wambold, Eagle,

THE Cockle Separator Manufacturing Co., of this city, have recently shipped Morgan Scourers to Brown Bros., Freeport, Ill., and Rail & McGlashew, Clarksville, Ia.

THE Superlative Purifier Manufact-PAYMENT BY DEPOSIT IN INSOLVENT dise without the snake, and pointing out uring Co., of this city, have recently operatives one day in this mill was BANK .- A fire insurance loss was ad- especially the favor with which Cana- furnished New Era Scalpers to Plank more than enough.

chines); H. J. Klinger & Son, Butler,

THE Cockle Separator Manufacturing Co., of this City, have an order for 2 No. 5 Morgan Scourers for the Minnesota Elevator, Chicago, Ill.

THE Superlative Purifier Manufacturing Co., of this city, have lately shipped two round reels to Henry Pettil, Kingston, Wis.; a bran-duster to Carman & Co., Petersburg, Ill., and a purifier to C. W. Armstrong, O.

THE Vortex Dust Collector Co., of this city, report a very steady and good trade on their Dust Collector. They have received and shipped orders for 125 machines the past month.

Paris, Ill., Oct. 16, 1890. The J. B. Allfree Co., Indianaplis, Ind.

GENTLEMEN: - Your favor of October 15 to hand and in reply will say, your machinery is perfect from top to bottom, and can cheerfully say that you have done us a fine job, which we are not ashamed to show to any miller or millwright. Everything is running in firstclass order, and your rolls are perfect in every respect: also your other machinery is No. 1. We are doing a good business; much better than we expected. We wish you much success.

Yours very truly, CARPENTER & WINN.

PERU, IND., Oct. 17, 1890. The J. B. Allfree Co., Indianaplis, Ind.

GENTLEMEN .- The thirty-barrel short system roller mill you built for us this summer is running full time and doing excellent work. Our flour has a ready market at home in competition with eight or ten old established brands that have been the pride of Peru for years.

We believe your machinery is first-class in material and workmanship, and for light running, unexcelled. We scarcely notice the additional fuel required to run it.

Yours very truly, SMITH, KING & Co.

GERMAN OPERATIVES .- A Mecklenall the keener after the Exhibition. Fin- burg operative writes to a German contemporary to say that he and his fellow Indies consume three million dollars journeymen are quite content to work from 14 to 18 hours a day for a weekly We have no fears but that our mil- wages of five or six marks, that is to say, lers will practically demonstrate that between 5s. and 6s. This is suppleusual enterprise, be prepared to meet Tapley, remarks that the food and bed provided are perfectly satisfactory. On the other hand a miller details his experiences in an Alsatian mill. The date of this story lies five years back, but the narrator hints that the same state of things is still prevalent in too many districts. The mill was a roller mill, and the "spells" were of 37 hours' duration; the resting-time is not specified, but was evidently all too short for the worn-out toilers. It appears that the spells were timed to finish at seven in the evening, but before the three men whose turn it was to "take an evening off" were discharged from duty they were usually required to unload a wagon heavily laden with grain, and that with the shoulders sore from carrying heavy sacks of flour. Six weeks of this kind of existence sufficed for the narrator, who adds that for many

BABBITT BEARINGS.

ods of different mechanics vary in babof it extended through a couple of sary than a groove cut in the cap exdays, and one thing I learned was, that tending from the oil hole on both sides it was easier to melt out the babbitt to near the end of the cap? This will handfuls of salt have been dissolved, stack, and then building a fire of oil around the shaft when the babbitt was is then well kneaded. This is left, dirty waste served the purposes, as well under the journal. In whatever posias saved time. To get a good fit on tion the oil hole may be, a single chanshaft or mandrel could be easily re- necessary to obtain a free distribution. good results were had if I first warmed come within a thirty-second of an inch the mandrel, and covered it with a or more of the journal, then the oil will to a consistency of putty, and rubbing should be chamfered, with the excepit on the warm mandrel. This left a tion of a small portion about onethick enough to allow the mandrel to prevent the oil from flowing out at the be easily removed after the babbitt ends of the box. metal had become set. The fire-clay, being free from grit, would have no injurious effect on the shaft, if a little of it should remain in the babbitt, but on operation, that stimulates human curithe contrary it would assist in bringing it to a smooth bearing. And, by putting up and setting in operation of the way, this thing of wearing a jour- a pile driver anywhere is sure to imnal down to a good fit in a babbitted mediately draw a crowd, and keep a box so that it will not run warm, is considerable portion of the people who sometimes considerable of a trick. If compose it standing idly by to watch the bearing is plenty large enough, the monotonous repetition of the moveand not much weight on the shaft, ment of the pile-driver's simple marunning at a low rate of speed, there chinery and heavy weight, which is is not much trouble in getting things drawn up and then let go, to come to run cool; but when the shaft is run down with a thud on the top of the unat a few hundred revolutions per min- offending and helpless stick of timber, ute a box must be in a pretty fair order, driving it every time a few inches even when there is plenty of bearing deeper into the mud. Wherever this surface, if the journal is to run with- operation is going on, you will see a out heating. But in starting up with crowd of from a dozen to one hundred that the worry could be soonest ended take as much interest in it as they more. The bearing is sure to heat After one has seen the big thumper go when new, and this mixture, I have up and come down once, he has seen the heat of the journal became suffi- pile-driving. Yet crowds of idlers are cient to melt the sulphur. Melted sul- found hanging around the pile-driver's phur and oil when combined, as they station for hours. Are these people will to certain extent, form a compound really curious, or are they only lazy that produces a glazed surface on both and loafing?—The Evening Journal ing current around the outlet. journal and bearing, and this coating (Jersey City). possesses considerable anti-friction qualities. I have found it a good plan in HUNGARIAN METHOD OF MAKING BREAD. babbitting boxes to always wrap a much longer than that portion in con- this mass is warm the several ingreditact with the box, so that the inside or ents are worked together till well mixed. smoother condition than when babbit twenty-four hours, and afterwards diflow under the journal.

eh . His

ONSIDERABLE has been write grooves or oil channels to cut in a box prepared is applied in the following ten upon the subject of bab- is one that still appears to be in an un- manner: For baking six large loaves, bit bearings, and as the meth- settled condition; and judging from six handfuls of these balls are dissolved some of the elaborate patterns shown in seven or eight quarts of warm water; bitting a box, a variety of ways are by the channels cut in some boxes that this water is poured through a sieve presented to the reader. A writer in I have seen, the efforts of the workman into one end of the bread trough, and the Stationary Engineer gives his ex- must have been exerted toward providperience as follows: There are several ing as great an area for holding oil as things about babbitted boxes that have that which he intended to be used as worried me not a little, for, although I bearing surface. This, to me, appears have always got along with them fairly all wrong, as I see no necessity for it, well, yet there were several things and more than that, it reduces the area about them of which I craved more of bearing surface to such an extent as knowledge. My first effort to babbitt a to make it positively injurious. For loose pulley and get a satisfactory job distributing the oil what more is necesvery thin coating, but one which was eighth of an inch wide at each end, to

MECHANICAL CURIOSITY.

What is there in a pile-driver or its osity to such a noticeable degree? The

At Debretzin, in Hungary good bread sheet of paper around the shaft. This is made by the following process, withserves a good purpose in two ways, out yeast: Two large handfuls of hops Paper is a good nonconductor of heat, are boiled in four quarts of water; this so that the metal, when it is poured, is is poured upon as much wheaten bran not immediately cooled by the journal, as it will moisten, and to this are added but retains the heat, and remains fluid four or five pounds of leaven. When wearing surface is left in a much It is then deposited in a warm place for ted on a mandrel, or after having been vided into small pieces about the size turned out, and the space left after the of a hen's egg, which are dried by being paper is removed serves a good purpose placed upon a board, and exposed to in permitting the oil to more readily a dry air, but not to the sun; when dry they are laid up for use, and may be Ward Stone in Scientific American.

The question as to the best style of kept six months. The ferment thus after it, three quarts of warm water, the remaining mass being well pressed out. The liquor is mixed up with sufficient flour to form a mass of the size of a large loaf; this is strewed over with flour, the sieve with its contents is put upon it, and the whole is covered up warm, and left until it has risen enough, and its surface begun to crack. This forms the leaven or sponge. Fifteen quarts of warm water, in which six than to try chipping it out. It was allow the oil to be distributed the full are then poured upon it through the quite easy to melt it out by setting the length of the bearing—if the cap fits sieve; the necessary quantity of flour is pulley on blocks a few inches from the reasonably close—and the slight space added (after the water and leaven or ground, so that the bore would act as a left by the paper which was wrapped sponge is well mixed), and the dough and waste under it. Dirty oil and poured will allow the oil to work down covered up warm, for half an hour or 36 Chardon St., BOSTON, MASS. more in a warm place. It is then formed into loaves, and left another the shaft, and still have it so that the nel for the oil is all that I ever found half-hour to prove, before being placed in the oven, where they remain from moved from the pulley, I found that But if the top of the box does not one to two or three hours, according to their size. The great advantage of this all, to figure out to what extent the kind of ferment is that it may be made coating of soap and fire clay. This I not be distributed until it comes to the in large quantities at a time for use, did by mixing the soap and fire-clay lower part of the box. Here the edges and would be found convenient for sea If he has not fitted himself for success, voyages, etc., or for persons living at a it is his own fault that success has not distance from any town, and where come to him. yeast cannot be readily procured.

PRIMING OF BOILERS.

Air or water, in moving from all sides to a common center, at which it escapes, does not move in direct lines, but approaches the center in spiral currents, the velocity of which will be have discovered that the heat gives the proportional to the speed at which the flour a sweetness and a fragrance unfluid escapes at the center. Let the water from a bucket or basin escape through a hole at or near the center of the bottom, and the water in the vessel will form in a whirling current around hopper, and we are told that the result a verticle line above the outlet. If the water escapes through a pipe so that there will be a downward suction, the velocity of the whirling current will be increased. A storm center or area of the cutter heads when the machine is low barometric pressure is another illustration. Towards such an area all of the air currents influenced by it will in contact with the knives as many move, the same as water in a maela newly babbitted box, I have found and fifty men and boys, who appear to strom moves toward the center. Now the question is, will not steam escaping hand, it will be no light matter and by using a preparation of hard oil or would in a Punch and Judy show or a grease and fine sulphur, supplied in dog fight. We do not understand dome or steam pipe act in the same look out. Whenever a bolt or nut in unlimited quantities for an hour or where the curiosity-exciting element is. manner as water does in escaping from a bucket or basin, or as air does in sible man and then you will take no moving towards a storm center? In chances. In setting knives and cutters found, would cure it just as soon as all he ever will see of the mystery of this connection it should be remember- always test every bolt and nut before ed that a storm center is a point where you start, as you may possibly have the air is escaping upward, and that it is the escaping air which causes the water in the basin to form into a whirl-

> It is well known that in the center of a whirling current the fluid, owing to centrifugal force, is rarefied, and the degree of rarefacation depends entirely upon the velocity of the whirling current; for this reason a whirlwind of sufficient velocity passing over the water causes a water spout. Now if the steam escaping from a boiler in the usual manner causes the steam in the boiler and in a small area below the outlet to form in a whirling current, the velocity of which will increase as that of the escaping current increases, what is to prevent a waterspout in the boiler and a the escaping steam reaches a sufficient velocity, if the pipe connecting engine with boiler is of a sufficient area.

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Send for Catalogue K.

NY mechanic who feels like des-A pairing, because the world has not gone well with him, should try, first of world is to blame for his failure, and to what extent he himself is to blame.

A TRAVELER comes back from Mexico with a new idea which he hopes to utilize in the manufacture of flour. He notes that for centuries the Mexicans have been accustomed to parch their grain before grinding it, and claims to known in the flour of the ordinary brands and at the same time adds much to its powers of nutrition. Mills are to be equipped with apparatus for parching the wheat before putting it into the will be a culinary revolution.—Chicago Herald.

GOOD ADVICE. - Never attempt to screw up bolts or nuts that are close to running, says the Timberman. Your wrench might slip and your hand come others have done and then you find yourself minus a finger or perhaps a omitted one, and if not attended to in time, look out.

THE BREAD OF POVERTY. - Some time ago it was reported that a new disease had appeared among the peasants of the Government of Kazan and in the neighboring districts. The symptoms were acute colics, swelling of the limbs, and distension of the belly. It was fatal in many instances where medical treatment had not been promptly applied. Now, Dr. V. D. Orloff reported to the medical association that he believed the cause of this disease to be "the bread of poverty" which the famished popula-tion eats. For want of rye, wheat or potatoes they bake bread of acorns. The resinous substances contained in the latter are the cause of the symptoms of the so-called new disease. The doctor wrecked engine as the result whenever has studied the subject, and found that all that is required for the cure of that disease is a thorough cleaning of the bowels and a healthful diet for the pa-

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To close out a partnership, we offer for sale our 50-barrel Richmond City Mill Works' short system roller mill, located at Mitchell-ville, Tenn., and enjoying good exchange trade. Two members of the firm engaged in other business is the reason for selling. Write for full description. Reduced R. R. fare on July 4. Address,

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Lot 84x127, Merrill Park, cheap.
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House and lot 40x150, on Fifteenth Street.
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We want a good man as second miller for general work in our roller mill. Capacity, 75 bbls. Must be a German, and a married man preferred. Steady employment for the right man. For further information address or apply personally to

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'Tis twelve months since I came to America "Tis twelve months since I came to America. The fortune of me uncle to enjoy.
Bless his name! Shure he left me the whole av it,
Aud in his will he said, "Now Pat, me boy.
Ye's ought to spind a solid year in thravelin,
The great soights av this country for to see."
And sure me uncle didn't need to urge me much
For thravelin is a trick that just suite me.

So I've thraveled over all this moighty nation. From north to south and from the east to west; I've thraveled both on land and on the wather. But shure the railroad thraveling suits me best. And of all the fine railroads in America, And unceelf shure has thraveled on them all, The one that heads the list for solid comfort Is the Chicago, Milwaukee and St. Paul.

Both for aitin and for dhrinkin and for shiapin, Their equipment is most costly and complate.
Their is sphiendor enough for old King Solomon,
And dainties for his thousand wives to ate.
O! I've thraveled all up and down America,
The railroads and the shteamboats, tried them all,
But there's nothing can compare in solid comfort
Wid the Chicago, Milwaukee and St. Paul.

A MEMBER WHO SAW IT HIMSELF.

In the Wisconsin legislature of three or four years ago there was a certain member who had been elected by the grangers with the understanding that he should vote against anything which partook of the nature of a monopoly, trust, or combine, and favor about everything which didn't. Certain parties wanted to dam a certain stream, and certain other parties were bitterly opposed to it. Each had its lobbyist, and the opposition got hold of the granger member first. They stuffed him full of figures as to the acreage of land which must be overflowed, the financial less to farmers, and gave an estimate that the slack water would increase the death rate along the stream 50 per cent. When the lobbyist for the mill dam got the ear of the member he was very ungraciously received, but he proceeded to say:

"I don't deny that our dam will raise the water and flood some landperhaps the 200 acres claimed. In summer time the slack water may also add a trifle to the sick list; but, sir, what inspires the opposition?"

"Public spirit for public good, I'believe."

"Does it? Have they made you believe any such nonsense as that? Can't you see through the gauze which veils their efforts?"

"Is there any—any trickery here?" "Is there? Dead loads of it, sir, and I wonder that you haven't discovered it. These parties own a big cat-tail swamp half a mile above where the dam is to be. Our water will cover the swamp. They have discovered a way to mix cat-tail fuss and geese feathers together to make feather beds, patented the idea, and propose to bull the market and run one-half the geese of America out of the country."

"No!"

"That's the scheme; and even while keeping it as quiet as they could, enough has leaked out to boost the price of goose oil 30 per cent."

"Why, it's a monopoly!"

"That's what it is—the biggest kind of a monopoly—a corporation without a soul. Why, you can't buy a goose bone now for less than 25 cents, and quill toothpicks will soon be a nickel apiece!"

"I see-I see. The scoundrels! Well, you shall have my vote and influence, and I thank you for setting me right. I might have played right into their hands-the wretches!'

And he not only voted for the bill, but worked for it and secured its passage, and the opposition could never get his ear for any denials or explanations. -N. Y. Sun.

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Ohio and the only one entering Cincinnati over twenty-five miles of double track, and over twenty-nve mines of double track, and from its past record can more than assure its patrons speed, comfort and safety. Tickets on sale everywhere, and see that they read C. H. & D., either in or out of Cincinnati, Indianapolis, or Toledo. E. O. McCORMICK, General Passenger and Ticket Agent, Cincinnati, Ohio.

RECENT MILLING PATENTS.

The following list of Patents for Milling and Grain Handling Appliances, granted in June, 1891, is specially reported for the UNITED STATES MILLER AND MILLING EN-GINEER by H. G. Underwood, Patent Attorney and Solicitor of Patents. No. 107 Wisconsin Street, Milwaukee, Wis., who will send a copy of any patent named, to any address for 25 cents.

No. 453.439, Bolting-reel, Alexander Dobson, Beaverton, Canada.

No. 453.582, Fanning-mill, Thomas M. Bales. Doublin, Ind.

No. 458.305. Grain-meter, Jacob O. Wyman, Fargo, N. D.

No. 453,413, Grain-shoveling Device, Allen G. Mather, Milwaukee, Wis.

No. 4 8.232, Grain-separator, Larkin G. Caldwell, Sheblina, Mo.

453,981, Grinding-mill, Jonathan D. Mawhood, Richmond, Ind., assignor to the Richmond City Mill Works, same

No. 454,159, Grain-scourer, William B. Anthony, Cetronia, Pa.

454,065, Scalping-machine, James Pye, Minneapolis, Minn.

454.180, Support for shaking screens, William D. Gray, Milwaukee, Wis., assignor to the Edward P. Allis Company,

same place. 454,181, Support for shaking screens, William D. Grav, Milwaukee, Wis., assignor to the Edward P. Allis Company,

same place. 454.132, Support for shaking screens, William D. Gray, Milwaukee, Wis., assignor to the Edward P. Allis Company,

same place. 485,140, Combined Duet-collector and Aspirator, Abraham N. Wolf, Allentown, Pa.

465,182, Grain-scouring Apparatus, Julius Szawinsky and Stelian Grozea, Braila, Roumania.

454.981. Apparatus for testing grain, Paul Heinsdorf, Hanover, Germany.

No. 454,898, Grain measurer, John B. Bartholomew, Des Moines, Iowa.
No. 464,950 Combined scalper and purifier, Delos Sewell, Buffalo, N. Y.
No. 464,940, Separator, John H. Driller, Los Angeles, Cal.

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Yours very truly, JENKINS & NEWBAUER.

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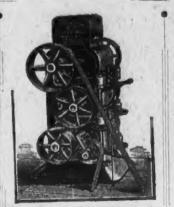
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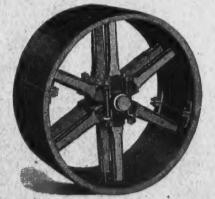
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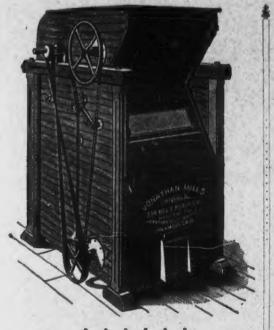
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bills of Feb. 9 and 11. Please receipt us
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Gentlemen-We have now been using your Air-Belt Purifiers for six months, and are very well satisfied with them.

They replaced Smith Purifiers. They do better work, take greatly less power, make no dust, and give no trouble. We think them the best Machine yet invented. Yours truly,

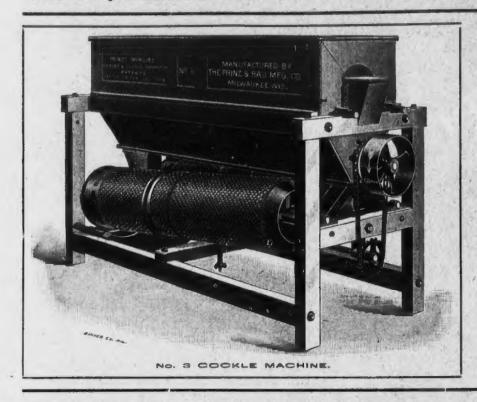
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Syracuse, N. Y., March 21, 1801. The Jonathan Mills Mfg. Co., Columbus, O. Gentlemen—You will find enclosed check or \$\times\$.... which we cheerfully send you. he Furifier more than meets our expecta-ons, does much better work than we had ny idea it would. Our Mr. Lockerbie roote you a few days ago, and if you will ive us the same guarantee on that stock hat you did on the other pleasement. my idea it would. Our Er, prote you a few days ago, and ive us the same guarantee on hat you did on the other, pleas Lachine along at once, as we can

JACOB AMOS.

JONATHAN MILLS MFG. CO.

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WAS CHOSEN.

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AKRON, OHIO, September 23, 1890.

Gentlemen-Mr. Clark has just given me his order for the Dunlap Bolt, and wants it shipped as soon as possible. Make up and ship with the Bolt a Conveyor as per enclosed sketch. Respectfully, FRANK E. NEAR.

OFFICE OF THE SEIBERLING MILLING CO.

THE BRADFORD MILL CO., Cincinnati, Ohio:

AKRON, OHIO, September 27, 1890.

Gentlemen-Yours of yesterday received, and I wired you this morning "yes," as per your instructions. The sketch is all right. Make the Conveyor good and strong.

I told Mr. Near that he need not have cloth sent with the Dunlap Bolt, as I have the one here that was used in the test. I will use same numbers on the new machine. Respectfully, JAS. F. CLARK.

CADDEI TUUNUNI & MAGNI

ANSONIA, CONN.

SOLE MANUFACTURERS OF THE CELEBRATED



ANSONIA RO FOR USE IN ROLLER MILLS.

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